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1.5 j2objc-annotations 1.1

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 */
```

```
package java.security;
```

```
import java.io.Serializable;
```

```
/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String
name) { }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException { }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }
}
```



```
}  
  
public abstract String getActions();  
  
public abstract boolean implies(Permission permission);  
}
```

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1.7 bcel 6.2

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1.8 pcre 8.42

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PCRE is a library of functions to support regular expressions whose syntax

and semantics are as close as possible to those of the Perl 5 language.

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.9 glibc 2.28

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@subheading END OF TERMS AND CONDITIONS

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```
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```

```
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```

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1.18 iconv 2.28

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<signature of Ty Coon>, 1 April 1990
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The

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```
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1.19 hd-parm 9.54

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1.20 hardlink 1.3-6.el8

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```

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Ty Coon, President of Vice
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1.21 python-pyudev 0.21.0-7.el8

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Any executables

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1.22 gdbm 1.18-1.el8

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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1.26 python-slip 0.6.4-11.el8

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1.27 shared-mime-info 1.9-3.el8

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1.28 hostname 3.20-6.el8

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1.31 libverto 0.3.0-5.el8

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1.33 python-six 1.11.0-8.el8

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1.34 libnetfilter-conntrack 1.0.6-5.el8

1.34.1 Available under license :

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Version 2, June 1991

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.35 perl-file-path 2.15-2.e18

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```
---
abstract: 'Create or remove directory trees'
author:
- unknown
build_requires:
Carp: '0'
Config: '0'
Errno: '0'
ExtUtils::MakeMaker: '0'
```

Fcntl: '0'
File::Spec::Functions: '0'
SelectSaver: '0'
Test::Simple: '0.44'
configure_requires:
ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: unknown
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: '1.4'
name: File-Path
no_index:
directory:
- t
- inc
requires:
Cwd: '0'
Exporter: '0'
File::Basename: '0'
File::Spec: '0'
resources:
repository: <https://github.com/jkeenan/File-Path.git>
version: '2.15'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548092_1591379514.95/0/perl-File-Path-2.15-2.el8.src.rpm-cosi-expand-archive-AW8PKhem/File-Path-2.15.tar.gz-cosi-expand-archive-jmkwhKy1/File-Path-2.15/META.yml

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NAME

File::Path - Create or remove directory trees

INSTALLATION

```
perl Makefile.PL  
make  
make test  
make install
```

PREREQUISITES

All prerequisites are found in the Perl 5 core distribution.

To configure:

```
ExtUtils::MakeMaker
```

To build:

Cwd File::Basename
Exporter File::Spec

To test:

Carp File::Spec::Functions
Config SelectSaver
Cwd Test::More
Errno Win32 # Windows only
Fcntl

BUGS

The File-Path bug tracker is located at:

<<http://rt.cpan.org/NoAuth/Bugs.html?Dist=File-Path>>

File reports by sending email to:

bug-File-Path@rt.cpan.org

Include test programs or patches as email attachments.

AUTHORS

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Current maintainers are Richard Elberger (riche at cpan dot org) and James E Keenan (jkeenan at cpan dot org).

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548092_1591379514.95/0/perl-File-Path-2.15-2.el8.src.rpm-cosi-expand-archive-AW8PKhem/File-Path-2.15.tar.gz-cosi-expand-archive-jmkwhKy1/File-Path-2.15/README

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=head1 NAME

File::Path - Create or remove directory trees

=head1 VERSION

2.15 - released June 07 2017.

=head1 SYNOPSIS

```
use File::Path qw(make_path remove_tree);

@created = make_path('foo/bar/baz', '/zug/zwang');
@created = make_path('foo/bar/baz', '/zug/zwang', {
    verbose => 1,
    mode => 0711,
});
make_path('foo/bar/baz', '/zug/zwang', {
    chmod => 0777,
});

$removed_count = remove_tree('foo/bar/baz', '/zug/zwang', {
    verbose => 1,
    error => \my $err_list,
    safe => 1,
});

# legacy (interface promoted before v2.00)
@created = mkpath('/foo/bar/baz');
@created = mkpath('/foo/bar/baz', 1, 0711);
@created = mkpath(['/foo/bar/baz', 'blurfl/quux'], 1, 0711);
$removed_count = rmtree('foo/bar/baz', 1, 1);
$removed_count = rmtree(['/foo/bar/baz', 'blurfl/quux'], 1, 1);

# legacy (interface promoted before v2.06)
@created
= mkpath('foo/bar/baz', '/zug/zwang', { verbose => 1, mode => 0711 });
$removed_count = rmtree('foo/bar/baz', '/zug/zwang', { verbose => 1, mode => 0711 });
```

=head1 DESCRIPTION

This module provides a convenient way to create directories of arbitrary depth and to delete an entire directory subtree from the filesystem.

The following functions are provided:

=over

=item `make_path($dir1, $dir2, ...)`

=item `make_path($dir1, $dir2, ..., \%opts)`

The `C<make_path>` function creates the given directories if they don't

exist before, much like the Unix command `C<mkdir -p>`.

The function accepts a list of directories to be created. Its behaviour may be tuned by an optional `hashref` appearing as the last parameter on the call.

The function returns the list of directories actually created during the call; in scalar context the number of directories created.

The following keys are recognised in the option hash:

`=over`

`=item mode => $num`

The numeric permissions mode to apply to each created directory (defaults to `C<0777>`), to be modified by the current `C<umask>`. If the directory already exists (and thus does not need to be created), the permissions will not be modified.

`C<mask>` is recognised as an alias for this parameter.

`=item chmod => $num`

Takes a numeric mode to apply to each created directory (not modified by the current `C<umask>`). If the directory already exists (and thus does not need to be created), the permissions will not be modified.

`=item verbose => $bool`

If present, will cause `C<make_path>` to print the name of each directory as it is created. By default nothing is printed.

`=item error => \ $err`

If present, it should be a reference to a scalar.

This scalar will be made to reference an array, which will be used to store any errors that are encountered. See the `L<"/"ERROR HANDLING">` section for more information.

If this parameter is not used, certain error conditions may raise a fatal error that will cause the program to halt, unless trapped in an `C<eval>` block.

`=item owner => $owner`

=item user => \$owner

=item uid => \$owner

If present, will cause any created directory to be owned by C<\$owner>. If the value is numeric, it will be interpreted as a uid; otherwise a username is assumed. An error will be issued if the username cannot be mapped to a uid, the uid does not exist or the process lacks the privileges to change ownership.

Ownership of directories that already exist will not be changed.

C<user> and C<uid> are aliases of C<owner>.

=item group => \$group

If present, will cause any created directory to be owned by the group C<\$group>. If the value is numeric, it will be interpreted as a gid; otherwise a group name is assumed. An error will be issued if the group name cannot be mapped to a gid, the gid does not exist or the process lacks the privileges to change group ownership.

Group ownership of directories that already exist will not be changed.

```
make_path '/var/tmp/webcache', { owner=>'nobody', group=>'nogroup'};
```

=back

=item
mkpath(\$dir)

=item mkpath(\$dir, \$verbose, \$mode)

=item mkpath([\$dir1, \$dir2,...], \$verbose, \$mode)

=item mkpath(\$dir1, \$dir2,..., \%opt)

The C<mkpath()> function provide the legacy interface of C<make_path()> with a different interpretation of the arguments passed. The behaviour and return value of the function is otherwise identical to C<make_path()>.

=item remove_tree(\$dir1, \$dir2, ...)

=item remove_tree(\$dir1, \$dir2, ..., \%opts)

The C<remove_tree> function deletes the given directories and any

files and subdirectories they might contain, much like the Unix command `C<rm -rf>` or the Windows commands `C<rmdir /s>` and `C<rd /s>`.

The function accepts a list of directories to be removed. (In point of fact, it will also accept filesystem entries which are not directories, such as regular files and symlinks. But, as its name suggests, its intent is to remove trees rather than individual files.)

`C<remove_tree()>`'s behaviour may be tuned by an optional `hashref` appearing as the last parameter on the call. If an empty string is passed to `C<remove_tree>`, an error will occur.

NOTE: For security reasons, we strongly advise use of the `hashref-as-final-argument` syntax -- specifically, with a setting of the `C<safe>` element to a true value.

```
remove_tree( $dir1, $dir2, .....,
  {
    safe => 1,
    ...    # other key-value pairs
  },
);
```

The function returns the number of files successfully deleted.

The following keys are recognised in the option hash:

`=over`

`=item verbose => $bool`

If present, will cause `C<remove_tree>` to print the name of each file as it is unlinked. By default nothing is printed.

`=item safe => $bool`

When set to a true value, will cause `C<remove_tree>` to skip the files for which the process lacks the required privileges needed to delete files, such as delete privileges on VMS. In other words, the code will make no attempt to alter file permissions. Thus, if the process is interrupted, no filesystem object will be left in a more permissive mode.

`=item keep_root => $bool`

When set to a true value, will cause all files and subdirectories

to be removed, except the initially specified directories. This comes in handy when cleaning out an application's scratch directory.

```
remove_tree( '/tmp', {keep_root => 1} );
```

=item result => \ \$res

If present, it should be a reference to a scalar.

This scalar will be made to reference an array, which will be used to store all files and directories unlinked during the call. If nothing is unlinked, the array will be empty.

```
remove_tree( '/tmp', {result => \my $list} );
print "unlinked $_\n" for @$list;
```

This is a useful alternative to the C<verbose> key.

=item error => \ \$err

If present, it should be a reference to a scalar.

This scalar will be made to reference an array, which will be used to store any errors that are encountered. See the L</"ERROR HANDLING"> section for more information.

Removing things is

a much more dangerous proposition than creating things. As such, there are certain conditions that C<remove_tree> may encounter that are so dangerous that the only sane action left is to kill the program.

Use C<error> to trap all that is reasonable (problems with permissions and the like), and let it die if things get out of hand. This is the safest course of action.

=back

=item rmtree(\$dir)

=item rmtree(\$dir, \$verbose, \$safe)

=item rmtree([\$dir1, \$dir2,...], \$verbose, \$safe)

=item rmtree(\$dir1, \$dir2,..., \%opt)

The C<rmtree()> function provide the legacy interface of C<remove_tree()> with a different interpretation of the arguments passed. The behaviour and return value of the function is otherwise identical to C<remove_tree()>.

B<NOTE:> For security reasons, we strongly advise use of the `hashref-as-final-argument` syntax, specifically with a setting of the `C<safe>` element to a true value.

```
mtree( $dir1, $dir2, .....,  
  {  
    safe => 1,  
    ...  
    # other key-value pairs  
  },  
);
```

=back

=head2 ERROR HANDLING

=over 4

=item B<NOTE:>

The following error handling mechanism is consistent throughout all code paths EXCEPT in cases where the `ROOT` node is nonexistent. In version 2.11 the maintainers attempted to rectify this inconsistency but too many downstream modules encountered problems. In such case, if you require root node evaluation or error checking prior to calling `C<make_path>` or `C<remove_tree>`, you should take additional precautions.

=back

If `C<make_path>` or `C<remove_tree>` encounters an error, a diagnostic message will be printed to `C<STDERR>` via `C<carp>` (for non-fatal errors) or via `C<croak>` (for fatal errors).

If this behaviour is not desirable, the `C<error>` attribute may be used to hold a reference to a variable, which will be used to store the diagnostics. The variable is made a reference to an array of hash references. Each hash contain a single key/value pair where the key is the name of the file, and the value is the error message (including the contents of `C<${!}>` when appropriate). If a general error is encountered the diagnostic key will be empty.

An example usage looks like:

```
remove_tree( 'foo/bar', 'bar/rat', {error => \my $err} );  
if ($err && @$err) {  
  for my $diag (@$err) {
```

```

my ($file, $message) = %$diag;
if ($file eq "") {
    print "general error: $message\n";
}
else {
    print "problem unlinking $file: $message\n";
}
}
}
else {
    print "No error encountered\n";
}
}

```

Note that if no errors are encountered, C<\$err> will reference an empty array. This means that C<\$err> will always end up TRUE; so you need to test C<@\$err> to determine if errors occurred.

=head2 NOTES

C<File::Path> blindly exports C<mkpath> and C<rmtree> into the current namespace. These days, this is considered bad style, but to change it now would break too much code. Nonetheless, you are invited to specify what it is you are expecting to use:

```
use File::Path 'rmtree';
```

The routines C<make_path> and C<remove_tree> are B<not> exported by default. You must specify which ones you want to use.

```
use File::Path qw(remove_tree);
```

Note that a side-effect of the above is that C<mkpath> and C<rmtree> are no longer exported at all. This is due to the way the C<Exporter> module works. If you are migrating a codebase to use the new interface, you will have to list everything explicitly. But that's just good practice anyway.

```
use File::Path qw(remove_tree rmtree);
```

=head3 API CHANGES

The API was changed in the 2.0 branch. For a time, C<mkpath> and C<rmtree> tried, unsuccessfully, to deal with the two different calling mechanisms. This approach was considered a failure.

The new semantics are now only available with C<make_path> and C<remove_tree>. The old semantics are only available through

C<mkpath> and C<rmmtree>. Users are strongly encouraged to upgrade to at least 2.08 in order to avoid surprises.

SECURITY CONSIDERATIONS

There were race conditions in the 1.x implementations of File::Path's C<rmmtree> function (although sometimes patched depending on the OS distribution or platform). The 2.0 version contains code to avoid the problem mentioned in CVE-2002-0435.

See the following pages for more information:

<http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=286905>
<http://www.nntp.perl.org/group/perl.perl5.porters/2005/01/msg97623.html>
<http://www.debian.org/security/2005/dsa-696>

Additionally, unless the C<safe> parameter is set (or the third parameter in the traditional interface is TRUE), should a C<remove_tree> be interrupted, files that were originally in read-only mode may now have their permissions set to a read-write (or "delete OK") mode.

The following CVE reports were previously filed against File-Path and are believed to have been addressed:

over 4

* [L<http://cve.circl.lu/cve/CVE-2004-0452>](http://cve.circl.lu/cve/CVE-2004-0452)

* [L<http://cve.circl.lu/cve/CVE-2005-0448>](http://cve.circl.lu/cve/CVE-2005-0448)

back

In

February 2017 the cPanel Security Team reported an additional vulnerability in File-Path. The C<chmod()> logic to make directories traversable can be abused to set the mode on an attacker-chosen file to an attacker-chosen value. This is due to the time-of-check-to-time-of-use (TOCTTOU) race condition ([L<https://en.wikipedia.org/wiki/Time_of_check_to_time_of_use>](https://en.wikipedia.org/wiki/Time_of_check_to_time_of_use)) between the C<stat()> that decides the inode is a directory and the C<chmod()> that tries to make it user-rwx. CPAN versions 2.13 and later incorporate a patch provided by John Lightsey to address this problem. This vulnerability has been reported as CVE-2017-6512.

DIAGNOSTICS

FATAL errors will cause the program to halt (C<croak>), since the

problem is so severe that it would be dangerous to continue. (This can always be trapped with C<eval>, but it's not a good idea. Under the circumstances, dying is the best thing to do).

SEVERE errors may be trapped using the modern interface. If they are not trapped, or if the old interface is used, such an error will cause the program will halt.

All other errors may be trapped using the modern interface, otherwise they will be C<carp>ed about. Program execution will not be halted.

=over 4

=item mkdir [path]: [errmsg] (SEVERE)

C<make_path> was unable to create the path. Probably some sort of permissions error at the point of departure or insufficient resources (such as free inodes on Unix).

=item No root path(s) specified

C<make_path> was not given any paths to create. This message is only emitted if the routine is called with the traditional interface. The modern interface will remain silent if given nothing to do.

=item No such file or directory

On Windows, if C<make_path> gives you this warning, it may mean that you have exceeded your filesystem's maximum path length.

=item cannot fetch initial working directory: [errmsg]

C<remove_tree> attempted to determine the initial directory by calling C<Cwd::getcwd>, but the call failed for some reason. No attempt will be made to delete anything.

=item cannot stat initial working directory: [errmsg]

C<remove_tree> attempted to stat the initial directory (after having successfully obtained its name via C<getcwd>), however, the call failed for some reason. No attempt will be made to delete anything.

=item cannot chdir to [dir]: [errmsg]

C<remove_tree> attempted to set the working directory in order to begin deleting the objects therein, but was unsuccessful. This is

usually a permissions issue. The routine will continue to delete other things, but this directory will be left intact.

=item directory [dir] changed before chdir, expected dev=[n] ino=[n], actual dev=[n] ino=[n], aborting. (FATAL)

C<remove_tree> recorded the device and inode of a directory, and then moved into it. It then performed a C<stat> on the current directory and detected that the device and inode were no longer the same. As this is at the heart of the race condition problem, the program will die at this point.

=item cannot make directory [dir] read+writeable: [errmsg]

C<remove_tree> attempted to change the permissions on the current directory to ensure that subsequent unlinkings would not run into problems, but was unable to do so. The permissions remain as they were, and the program will carry on, doing the best it can.

=item cannot read [dir]: [errmsg]

C<remove_tree> tried to read the contents of the directory in order to acquire the names of the directory entries to be unlinked, but was unsuccessful. This is usually a permissions issue. The program will continue, but the files in this directory will remain after the call.

=item cannot reset chmod [dir]: [errmsg]

C<remove_tree>, after having deleted everything in a directory, attempted to restore its permissions to the original state but failed. The directory may wind up being left behind.

=item cannot remove [dir] when cwd is [dir]

The current working directory of the program is F</some/path/to/here> and you are attempting to remove an ancestor, such as F</some/path>. The directory tree is left untouched.

The solution is to C<chdir> out of the child directory to a place outside the directory tree to be removed.

=item cannot chdir to [parent-dir] from [child-dir]: [errmsg], aborting. (FATAL)

C<remove_tree>, after having deleted everything and restored the permissions of a directory, was unable to chdir back to the parent. The program halts to avoid a race condition from occurring.

=item cannot stat prior working directory [dir]: [errmsg], aborting. (FATAL)

C<remove_tree> was unable to stat the parent directory after having returned from the child. Since there is no way of knowing if we returned to where we think we should be (by comparing device and inode) the only way out is to C<croak>.

=item previous directory [parent-dir] changed before entering [child-dir], expected dev=[n] ino=[n], actual dev=[n] ino=[n], aborting. (FATAL)

When C<remove_tree> returned from deleting files in a child directory, a check revealed that the parent directory it returned to wasn't the one it started out from. This is considered a sign of malicious activity.

=item cannot make directory [dir] writeable: [errmsg]

Just before removing a directory (after having successfully removed everything it contained), C<remove_tree> attempted to set the permissions on the directory to ensure it could be removed and failed. Program execution continues, but the directory may possibly not be deleted.

=item cannot remove directory [dir]: [errmsg]

C<remove_tree> attempted to remove a directory, but failed. This may be because some objects that were unable to be removed remain in the directory, or it could be a permissions issue. The directory will be left behind.

=item cannot restore permissions of [dir] to [0nnn]: [errmsg]

After having failed to remove a directory, C<remove_tree> was unable to restore its permissions from a permissive state back to a possibly more restrictive setting. (Permissions given in octal).

=item cannot make file [file] writeable: [errmsg]

C<remove_tree> attempted to force the permissions of a file to ensure it could be deleted, but failed to do so. It will, however, still attempt to unlink the file.

=item cannot unlink file [file]: [errmsg]

C<remove_tree> failed to remove a file. Probably a permissions issue.

=item cannot restore permissions of [file] to [0nnn]: [errmsg]

After having failed to remove a file, C<remove_tree> was also unable to restore the permissions on the file to a possibly less permissive setting. (Permissions given in octal).

=item unable to map [owner] to a uid, ownership not changed");

C<make_path> was instructed to give the ownership of created directories to the symbolic name [owner], but C<getpwnam> did not return the corresponding numeric uid. The directory will be created, but ownership will not be changed.

=item unable to map [group] to a gid, group ownership not changed

C<make_path> was instructed to give the group ownership of created directories to the symbolic name [group], but C<getgrnam> did not return the corresponding numeric gid. The directory will be created, but group ownership will not be changed.

=back

=head1 SEE ALSO

=over 4

=item *

L<File::Remove>

Allows files and directories to be moved to the Trashcan/Recycle Bin (where they may later be restored if necessary) if the operating system supports such functionality. This feature may one day be made available directly in C<File::Path>.

=item *

L<File::Find::Rule>

When removing directory trees, if you want to examine each file to decide whether to delete it (and possibly leaving large swathes alone), F<File::Find::Rule> offers a convenient and flexible approach to examining directory trees.

=back

=head1 BUGS AND LIMITATIONS

The following describes F<File::Path> limitations and how to report bugs.

=head2 MULTITHREADED APPLICATIONS

F<File::Path> C<rmtree> and C<remove_tree> will not work with multithreaded applications due to its use of C<chdir>. At this time, no warning or error is generated in this situation. You will certainly encounter unexpected results.

The implementation that surfaces this limitation will not be changed. See the F<File::Path::Tiny> module for functionality similar to F<File::Path> but which does not C<chdir>.

=head2 NFS Mount Points

F<File::Path> is not responsible for triggering the automounts, mirror mounts, and the contents of network mounted filesystems. If your NFS implementation requires an action to be performed on the filesystem in order for F<File::Path> to perform operations, it is strongly suggested you assure filesystem availability by reading the root of the mounted filesystem.

=head2 REPORTING BUGS

Please report all bugs on the RT queue, either via the web interface:

L<<http://rt.cpan.org/NoAuth/Bugs.html?Dist=File-Path>>

or by email:

bug-File-Path@rt.cpan.org

In either case, please B<attach> patches to the bug report rather than including them inline in the web post or the body of the email.

You can also send pull requests to the Github repository:

L<<https://github.com/rpcme/File-Path>>

=head1 ACKNOWLEDGEMENTS

Paul Szabo identified the race condition originally, and Brendan O'Dea wrote an implementation for Debian that addressed the problem. That code was used as a basis for the current code. Their efforts are greatly appreciated.

Gisle Aas made a number of improvements to the documentation for 2.07 and his advice and assistance is also greatly appreciated.

=head1 AUTHORS

Prior authors and maintainers: Tim Bunce, Charles Bailey, and David Landgren <F<david@landgren.net>>.

Current maintainers are Richard Elberger <F<riche@cpan.org>> and James (Jim) Keenan <F<jkeenan@cpan.org>>.

=head1 CONTRIBUTORS

Contributors to File::Path, in alphabetical order by first name.

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=back

=head1 COPYRIGHT

This module is copyright (C) Charles Bailey, Tim Bunce, David Landgren, James Keenan and Richard Elberger 1995-2017. All rights reserved.

=head1 LICENSE

This library is free software; you can redistribute it and/or modify

it under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548092_1591379514.95/0/perl-File-Path-2.15-2.el8.src.rpm-cosi-expand-archive-AW8PKhem/File-Path-2.15.tar.gz-cosi-expand-archive-jmkwhKy1/File-Path-2.15/lib/File/Path.pm

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548092_1591379514.95/0/perl-File-Path-2.15-2.el8.src.rpm-cosi-expand-archive-AW8PKhem/perl-File-Path.spec

1.36 perl-text-parsewords 3.30-395.el8

1.36.1 Available under license :

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548109_1591379857.65/0/perl-Text-ParseWords-3.30-395.el8.src.rpm-cosi-expand-archive-hLfeekCO/perl-Text-ParseWords.spec

No license file was found, but licenses were detected in source scan.

abstract: parse text into an array of tokens or array of arrays

author:

- 'Alexandr Ciornii <alexchorny@gmail.com>'

build_requires:

ExtUtils::MakeMaker: 0

Scalar::Util: 0

configure_requires:

ExtUtils::MakeMaker: 0

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 6.78, CPAN::Meta::Converter version 2.143240'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Text-ParseWords

no_index:

directory:

- t

- inc

requires:

perl: 5.006

resources:

repository: <http://github.com/chorny/Text-ParseWords>

version: 3.30

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548109_1591379857.65/0/perl-Text-ParseWords-3.30-395.el8.src.rpm-cosi-expand-archive-hLfeekCO/Text-ParseWords-3.30.tar.gz-cosi-expand-archive-d5OpwjES/Text-ParseWords-3.30/META.yml

No license file was found, but licenses were detected in source scan.

=head1 NAME

Text::ParseWords - parse text into an array of tokens or array of arrays

=head1 SYNOPSIS

```
use Text::ParseWords;
@lists = nested_quotewords($delim, $keep, @lines);
@words = quotewords($delim, $keep, @lines);
@words = shellwords(@lines);
@words = parse_line($delim, $keep, $line);
@words = old_shellwords(@lines); # DEPRECATED!
```

=head1 DESCRIPTION

The `&nested_quotewords()` and `"ewords()` functions accept a delimiter (which can be a regular expression) and a list of lines and then breaks those lines up into a list of words ignoring delimiters that appear inside quotes. `"ewords()` returns all of the tokens in a single long list, while `&nested_quotewords()` returns a list of token lists corresponding to the elements of `@lines`. `&parse_line()` does tokenizing on a single string. The `&*quotewords()` functions simply call `&parse_line()`, so if you're only splitting one line you can call `&parse_line()` directly and save a function call.

The `$keep` argument is a boolean flag. If true, then the tokens are split on the specified delimiter, but all other characters (including quotes and backslashes) are kept in the tokens. If `$keep` is false then the `&*quotewords()` functions remove all quotes and backslashes that are not themselves backslash-escaped or inside of single quotes (i.e., `"ewords()` tries to interpret these characters just like the Bourne shell). NB: these semantics are significantly different from the original version of this module shipped with Perl 5.000 through 5.004. As an additional feature, `$keep` may be the keyword "delimiters" which

causes the functions to preserve the delimiters in each string as tokens in the token lists, in addition to preserving quote and backslash characters.

&shellwords() is written as a special case of "ewords(), and it does token parsing with whitespace as a delimiter-- similar to most Unix shells.

=head1 EXAMPLES

The sample program:

```
use Text::ParseWords;
@words = quotewords('\s+', 0, q{this is "a test" of\ quotewords \"for you});
$i = 0;
foreach (@words) {
    print "$i: <$_>\n";
    $i++;
}
```

produces:

```
0: <this>
1: <is>
2: <a test>
3: <of quotewords>
4: <"for">
5: <you>
```

demonstrating:

=over 4

=item 0Z<>

a simple word

=item 1Z<>

multiple spaces are skipped because of our \$delim

=item 2Z<>

use of quotes to include a space in a word

=item 3Z<>

use of a backslash to include a space in a word

=item 4Z<>

use of a backslash to remove the special meaning of a double-quote

=item 5Z<>

another simple word (note the lack of effect of the
backslashed double-quote)

=back

Replacing `C<quotewords('\s+', 0, q{this is...})>`
with `C<shellwords(q{this is...})>`
is a simpler way to accomplish the same thing.

=head1 SEE ALSO

L<Text::CSV> - for parsing CSV files

=head1 AUTHORS

Maintainer: Alexandr Ciornii <alexchornyATgmail.com>.

Previous maintainer: Hal Pomeranz <pomeranz@netcom.com>,
1994-1997 (Original
author unknown). Much of the code for `&parse_line()` (including the
primary regexp) from Joerk Behrends <jbehrends@multimediaproduzenten.de>.

Examples section another documentation provided by John Heidemann
<johnh@ISI.EDU>

Bug reports, patches, and nagging provided by lots of folks-- thanks
everybody! Special thanks to Michael Schwern <schwern@envirolink.org>
for assuring me that a `&nested_quotewords()` would be useful, and to
Jeff Friedl <jfriedl@yahoo-inc.com> for telling me not to worry about
error-checking (sort of-- you had to be there).

=head1 COPYRIGHT AND LICENSE

This library is free software; you may redistribute and/or modify it
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=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548109_1591379857.65/0/perl-Text-ParseWords-3.30-395.el8.src.rpm-cosi-
expand-archive-hLfeekCO/Text-ParseWords-3.30.tar.gz-cosi-expand-archive-d5OpwjES/Text-ParseWords-

1.37 perl-exporter 5.72-396.el8

1.37.1 Available under license :

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548104_1591379450.94/0/perl-Exporter-5.72-396.el8.src.rpm-cosi-expand-archive-GuLegXXN/Exporter-5.70.tar.gz-cosi-expand-archive-6GLS2C10/Exporter-5.70/README

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548104_1591379450.94/0/perl-Exporter-5.72-396.el8.src.rpm-cosi-expand-archive-GuLegXXN/perl-Exporter.spec

No license file was found, but licenses were detected in source scan.

=head1 NAME

Exporter - Implements default import method for modules

=head1 SYNOPSIS

In module F<YourModule.pm>:

```
package YourModule;
require Exporter;
@ISA = qw(Exporter);
@EXPORT_OK = qw(munge frobnicate); # symbols to export on request
```

or

```
package YourModule;
use Exporter 'import'; # gives you Exporter's import() method directly
@EXPORT_OK = qw(munge frobnicate); # symbols to export on request
```

In other files which wish to use C<YourModule>:

```
use YourModule qw(frobnicate); # import listed symbols
frobnicate ($left, $right) # calls YourModule::frobnicate
```

Take a look at L</Good Practices> for some variants

you will like to use in modern Perl code.

=head1 DESCRIPTION

The Exporter module implements an C<import> method which allows a module to export functions and variables to its users' namespaces. Many modules use Exporter rather than implementing their own C<import> method because Exporter

provides a highly flexible interface, with an implementation optimised for the common case.

Perl automatically calls the C<import> method when processing a C<use> statement for a module. Modules and C<use> are documented in L<perlfunc> and L<perlmod>. Understanding the concept of modules and how the C<use> statement operates is important to understanding the Exporter.

=head2 How to Export

The arrays C<@EXPORT> and C<@EXPORT_OK> in a module hold lists of symbols that are going to be exported into the users name space by default, or which they can request to be exported, respectively. The symbols can represent functions, scalars, arrays, hashes, or typeglobs. The symbols must be given by full name with the exception that the ampersand in front of a function is optional, e.g.

```
@EXPORT = qw(afunc $scalar @array); # afunc is a function
@EXPORT_OK = qw(&bfunc %hash *typeglob); # explicit prefix on &bfunc
```

If you are only exporting function names it is recommended to omit the ampersand, as the implementation is faster this way.

=head2 Selecting What to Export

Do B<not> export method names!

Do B<not> export anything else by default without a good reason!

Exports pollute the namespace of the module user. If you must export try to use C<@EXPORT_OK> in preference to C<@EXPORT> and avoid short or common symbol names to reduce the risk of name clashes.

Generally anything not exported is still accessible from outside the module using the C<YourModule::item_name> (or C<< \$blessed_ref->method >>) syntax. By convention you can use a leading underscore on names to informally indicate that they are 'internal' and not for public use.

(It is actually possible to get private functions by saying:

```
my $subref = sub { ... };
$subref->(@args);      # Call it as a function
$obj->$subref(@args);  # Use it as a method
```

However if you use them for methods it is up to you to figure out how to make inheritance work.)

As a general rule, if the module is trying to be object oriented then export nothing. If it's just a collection of functions then C<@EXPORT_OK> anything but use C<@EXPORT> with caution. For function and method names use barewords in preference to names prefixed with ampersands for the export lists.

Other module design guidelines can be found in L<perlmod>.

=head2 How to Import

In other files which wish to use your module there are three basic ways for them to load your module and import its symbols:

=over 4

=item C<use YourModule;>

This imports all the symbols from YourModule's C<@EXPORT> into the namespace of the C<use> statement.

=item C<use YourModule ();>

This causes perl to load your module but does not import any symbols.

=item C<use YourModule qw(...);>

This imports only the symbols listed by the caller into their namespace. All listed symbols must be in your C<@EXPORT> or C<@EXPORT_OK>, else an error occurs. The advanced export features of Exporter are accessed like this, but with list entries that are syntactically distinct from symbol names.

=back

Unless you want to use its advanced features, this is probably all you need to know to use Exporter.

=head1 Advanced Features

=head2 Specialised Import Lists

If any of the entries in an import list begins with `!`, `:` or `/` then the list is treated as a series of specifications which either add to or delete from the list of names to import. They are processed left to right. Specifications are in the form:

```
[!]name      This name only
[!]:DEFAULT  All names in @EXPORT
[!]:tag      All names in $EXPORT_TAGS{tag} anonymous list
[!]/pattern/ All names in @EXPORT and @EXPORT_OK which match
```

A leading `!` indicates that matching names should be deleted from the list of names to import. If the first specification is a deletion it is treated as though preceded by `:DEFAULT`. If you just want to import extra names in addition to the default set you will still need to include `:DEFAULT` explicitly.

e.g.,

F<Module.pm> defines:

```
@EXPORT      = qw(A1 A2 A3 A4 A5);
@EXPORT_OK   = qw(B1 B2 B3 B4 B5);
%EXPORT_TAGS = (T1 => [qw(A1 A2 B1 B2)], T2 => [qw(A1 A2 B3 B4)]);
```

Note that you cannot use tags in `@EXPORT` or `@EXPORT_OK`.

Names in `EXPORT_TAGS` must also appear in `@EXPORT` or `@EXPORT_OK`.

An application using `Module` can say something like:

```
use Module qw(:DEFAULT :T2 !B3 A3);
```

Other examples include:

```
use Socket qw(!^[AP]F/ !SOMAXCONN !SOL_SOCKET);
use POSIX qw(:errno_h :termios_h !TCSADRAIN !^EXIT/);
```

Remember that most patterns (using `//`) will need to be anchored with a leading `^`, e.g., `C</^EXIT/>` rather than `C</EXIT/>`.

You can say `C<BEGIN { $Exporter::Verbose=1 }>` to see how the specifications are being processed and what is actually being imported into modules.

=head2 Exporting Without Using Exporter's import Method

Exporter has a special method, 'export_to_level' which is used in situations where you can't directly call Exporter's import method. The export_to_level method looks like:

```
MyPackage->export_to_level(  
$where_to_export, $package, @what_to_export  
);
```

where C<\$where_to_export> is an integer telling how far up the calling stack to export your symbols, and C<@what_to_export> is an array telling what symbols *to* export (usually this is C<@_>). The C<\$package> argument is currently unused.

For example, suppose that you have a module, A, which already has an import function:

```
package A;  
  
@ISA = qw(Exporter);  
@EXPORT_OK = qw($b);  
  
sub import  
{  
$A::b = 1; # not a very useful import method  
}
```

and you want to Export symbol C<\$A::b> back to the module that called package A. Since Exporter relies on the import method to work, via inheritance, as it stands Exporter::import() will never get called. Instead, say the following:

```
package A;  
@ISA = qw(Exporter);  
@EXPORT_OK = qw($b);  
  
sub import  
{  
$A::b = 1;  
A->export_to_level(1, @_);  
}
```

This will export the symbols one level 'above' the current package - ie: to the program or module that used package A.

Note: Be careful not to modify C<@_> at all before you call export_to_level

- or people using your package will get very unexplained results!

=head2 Exporting Without Inheriting from Exporter

By including Exporter in your C<@ISA> you inherit an Exporter's import() method but you also inherit several other helper methods which you probably don't want. To avoid this you can do:

```
package YourModule;
use Exporter qw(import);
```

which will export Exporter's own import() method into YourModule. Everything will work as before but you won't need to include Exporter in C<@YourModule::ISA>.

Note: This feature was introduced in version 5.57 of Exporter, released with perl 5.8.3.

=head2 Module Version Checking

The Exporter module will convert an attempt to import a number from a module into a call to C<< \$module_name->VERSION(\$value) >>. This can be used to validate that the version of the module being used is greater than or equal to the required version.

For historical reasons, Exporter supplies a C<require_version> method that simply delegates to C<VERSION>. Originally, before C<UNIVERSAL::VERSION> existed, Exporter would call C<require_version>.

Since the C<UNIVERSAL::VERSION> method treats the C<\$VERSION> number as a simple numeric value it will regard version 1.10 as lower than 1.9. For this reason it is strongly recommended that you use numbers with at least two decimal places, e.g., 1.09.

=head2 Managing Unknown Symbols

In some situations you may want to prevent certain symbols from being exported. Typically this applies to extensions which have functions or constants that may not exist on some systems.

The names of any symbols that cannot be exported should be listed in the C<@EXPORT_FAIL> array.

If a module attempts to import any of these symbols the Exporter will give the module an opportunity to handle the situation before generating an error. The Exporter will call

an `export_fail` method
with a list of the failed symbols:

```
@failed_symbols = $module_name->export_fail(@failed_symbols);
```

If the `C<export_fail>` method returns an empty list then no error is recorded and all the requested symbols are exported. If the returned list is not empty then an error is generated for each symbol and the export fails. The Exporter provides a default `C<export_fail>` method which simply returns the list unchanged.

Uses for the `C<export_fail>` method include giving better error messages for some symbols and performing lazy architectural checks (put more symbols into `C<@EXPORT_FAIL>` by default and then take them out if someone actually tries to use them and an expensive check shows that they are usable on that platform).

=head2 Tag Handling Utility Functions

Since the symbols listed within `C<%EXPORT_TAGS>` must also appear in either `C<@EXPORT>` or `C<@EXPORT_OK>`, two utility functions are provided which allow you to easily add tagged sets of symbols to `C<@EXPORT>` or `C<@EXPORT_OK>`:

```
%EXPORT_TAGS = (foo => [qw(aa bb cc)], bar => [qw(aa cc dd)]);
```

```
Exporter::export_tags('foo'); # add aa, bb and cc to @EXPORT  
Exporter::export_ok_tags('bar'); # add aa, cc and dd to @EXPORT_OK
```

Any names which are not tags are added to `C<@EXPORT>` or `C<@EXPORT_OK>` unchanged but will trigger a warning (with `C<-w>`) to avoid misspelt tags names being silently added to `C<@EXPORT>` or `C<@EXPORT_OK>`. Future versions may make this a fatal error.

=head2 Generating Combined Tags

If several symbol categories exist in `C<%EXPORT_TAGS>`, it's usually useful to create the utility `":all"` to simplify `"use"` statements.

The simplest way to do this is:

```
%EXPORT_TAGS = (foo => [qw(aa bb cc)], bar => [qw(aa cc dd)]);
```

```
# add all the other ":class" tags to the ":all" class,  
# deleting duplicates  
{  
    my %seen;
```



```

push @{$EXPORT_TAGS{all}},
  grep { !$seen{$_}++ } @{$EXPORT_TAGS{$_}} foreach keys %EXPORT_TAGS;
}

```

F<CGI.pm> creates an ":all" tag which contains some (but not really all) of its categories. That could be done with one small change:

```

# add some of the other ":class" tags to the ":all" class,
# deleting duplicates
{
  my %seen;

  push @{$EXPORT_TAGS{all}},
    grep { !$seen{$_}++ } @{$EXPORT_TAGS{$_}}
      foreach qw/html2 html3 netscape form cgi internal/;
}

```

Note that the tag names in C<%EXPORT_TAGS> don't have the leading '!'.

=head2 C<AUTOLOAD>ed Constants

Many modules make use of C<AUTOLOAD>ing for constant subroutines to avoid having to compile and waste memory on rarely used values (see L<perlsub> for details on constant subroutines). Calls to such constant subroutines are not optimized away at compile time because they can't be checked at compile time for constancy.

Even if a prototype is available at compile time, the body of the subroutine is not (it hasn't been C<AUTOLOAD>ed yet). perl needs to examine both the C<()> prototype and the body of a subroutine at compile time to detect that it can safely replace calls to that subroutine with the constant value.

A workaround for this is to call the constants once in a C<BEGIN> block:

```

package My ;

use Socket ;

foo( SO_LINGER ); ## SO_LINGER NOT optimized away; called at runtime
BEGIN { SO_LINGER }
foo( SO_LINGER ); ## SO_LINGER optimized away at compile time.

```

This forces the C<AUTOLOAD> for C<SO_LINGER> to take place before SO_LINGER is encountered later in C<My> package.

If you are writing a package that C<AUTOLOAD>s, consider forcing an C<AUTOLOAD> for any constants explicitly imported by other packages or which are usually used when your package is C<use>d.

=head1 Good Practices

=head2 Declaring C<@EXPORT_OK> and Friends

When using C<Exporter> with the standard C<strict> and C<warnings> pragmas, the C<our> keyword is needed to declare the package variables C<@EXPORT_OK>, C<@EXPORT>, C<@ISA>, etc.

```
our @ISA = qw(Exporter);
our @EXPORT_OK = qw(munge frobnicate);
```

If backward compatibility for Perls under 5.6 is important, one must write instead a C<use vars> statement.

```
use vars qw(@ISA @EXPORT_OK);
@ISA = qw(Exporter);
@EXPORT_OK = qw(munge frobnicate);
```

=head2 Playing Safe

There are some caveats with the use of runtime statements like C<require Exporter> and the assignment to package variables, which can be very subtle for the unaware programmer. This may happen for instance with mutually recursive modules, which are affected by the time the relevant constructions are executed.

The ideal (but a bit ugly) way to never have to think about that is to use C<BEGIN> blocks. So the first part of the L</SYNOPSIS> code could be rewritten as:

```
package YourModule;

use strict;
use warnings;

our (@ISA, @EXPORT_OK);
BEGIN {
    require Exporter;
    @ISA = qw(Exporter);
    @EXPORT_OK = qw(munge frobnicate); # symbols to export on request
}
```

The C<BEGIN> will assure that the loading of F<Exporter.pm> and the assignments to C<@ISA> and C<@EXPORT_OK> happen immediately, leaving no room for something to get awry or just plain wrong.

With respect to loading C<Exporter> and inheriting, there are alternatives with the use of modules like C<base> and C<parent>.

```
use base qw(Exporter);
# or
use parent qw(Exporter);
```

Any of these statements are nice replacements for C<BEGIN { require Exporter; @ISA = qw(Exporter); }> with the same compile-time effect. The basic difference is that C<base> code interacts with declared C<fields> while C<parent> is a streamlined version of the older C<base> code to just establish the IS-A relationship.

For more details, see the documentation and code of L<base> and L<parent>.

Another thorough remedy to that runtime vs. compile-time trap is to use L<Exporter::Easy>, which is a wrapper of Exporter that allows all boilerplate code at a single gulp in the use statement.

```
use Exporter::Easy (
    OK => [ qw(munge frobnicate) ],
);
# @ISA setup is automatic
# all assignments happen at compile time
```

=head2 What Not to Export

You have been warned already in L</Selecting What to Export> to not export:

=over 4

=item *

method names (because you don't need to and that's likely to not do what you want),

=item *

anything by default (because you don't want to surprise your users...
badly)

=item *

anything you don't need to (because less is more)

=back

There's one more item to add to this list. Do B<not>
export variable names. Just because C<Exporter> lets you
do that, it does not mean you should.

```
@EXPORT_OK = qw($svar @avar %hvar); # DON'T!
```

Exporting variables is not a good idea. They can
change under the hood, provoking horrible
effects at-a-distance that are too hard to track
and to fix. Trust me: they are not worth it.

To provide the capability to set/get class-wide
settings, it is best instead to provide accessors
as subroutines or class methods instead.

=head1 SEE ALSO

C<Exporter> is definitely not the only module with
symbol exporter capabilities. At CPAN, you may find
a bunch
of them. Some are lighter. Some
provide improved APIs and features. Pick the one
that fits your needs. The following is
a sample list of such modules.

```
Exporter::Easy  
Exporter::Lite  
Exporter::Renaming  
Exporter::Tidy  
Sub::Exporter / Sub::Installer  
Perl6::Export / Perl6::Export::Attrs
```

=head1 LICENSE

This library is free software. You can redistribute it
and/or modify it under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548104_1591379450.94/0/perl-Exporter-5.72-396.el8.src.rpm-cosi-expand-archive-GuLegXXN/Exporter-5.70.tar.gz-cosi-expand-archive-6GLS2C10/Exporter-5.70/lib/Exporter.pm

No license file was found, but licenses were detected in source scan.

abstract: 'Implements default import method for modules'

author:

- unknown

build_requires:

ExtUtils::MakeMaker: 0

configure_requires:

ExtUtils::MakeMaker: 0

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 6.68, CPAN::Meta::Converter version 2.120921'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Exporter

no_index:

directory:

- t

- inc

recommends:

Test::Pod: 1.18

Test::Pod::Coverage: 1.04

requires:

Carp: 1.05

resources:

bugtracker: <http://rt.perl.org/perlbug/>

license: <http://dev.perl.org/licenses/>

repository: <http://perl5.git.perl.org/perl.git/tree/HEAD:/lib>

x_MailingList: <http://lists.perl.org/list/perl5-porters.html>

version: 5.70

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548104_1591379450.94/0/perl-Exporter-5.72-396.el8.src.rpm-cosi-expand-archive-GuLegXXN/Exporter-5.70.tar.gz-cosi-expand-archive-6GLS2C10/Exporter-5.70/META.yml

1.38 perl-pathtools 3.74-1.el8

1.38.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/* See
* http://www.xray.mpe.mpg.de/mailling-lists/perl5-porters/2004-11/msg00979.html
* for the details of why the BSD license is compatible with the
* AL/GPL standard perl license.
*/
/*
* Copyright (c) 2003 Constantin S. Svintsoff <kostik@iclub.nsu.ru>
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. The names of the authors may not be used to endorse or promote
* products derived from this software without specific prior written
* permission.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND
* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-
archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/Cwd.xs
```

No license file was found, but licenses were detected in source scan.

```
/*
```

ppport.h -- Perl/Pollution/Portability Version 3.39

Automatically created by Devel::PPPport running under perl 5.027009.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.39

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--version show version

--patch=file write one patch file with changes

--copy=suffix write changed copies with suffix

--diff=program use diff program and options

--compat-version=version

 provide compatibility with Perl version

--cplusplus accept C++ comments

--quiet don't output anything except fatal errors

--nodiag don't show diagnostics

--nohints don't show hints

--nochanges don't suggest changes

--nofilter don't filter input files

--strip strip all script and doc functionality
 from ppport.h

--list-provided list provided API

--list-unsupported list unsupported API

--api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automatically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003.

You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>.

This

reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPport> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

```
perl ppport.h --list-provided
```

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables

will be marked C<explicit> in the list shown
by C<--list-provided>.

Depending on whether your module has a single or multiple files that
use such functions or variables, you want either C<static> or global
variants.

For a C<static> function or variable (used only in a single source
file), use:

```
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files),
use:

```
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the
same function or variable in your project.

Function / Variable	Static Request	Global Request
PL_parser	NEED_PL_parser	NEED_PL_parser_GLOBAL
PL_signals	NEED_PL_signals	NEED_PL_signals_GLOBAL
SvRX()	NEED_SvRX	NEED_SvRX_GLOBAL
caller_cx()	NEED_caller_cx	NEED_caller_cx_GLOBAL
croak_xs_usage()	NEED_croak_xs_usage	NEED_croak_xs_usage_GLOBAL
die_sv()	NEED_die_sv	NEED_die_sv_GLOBAL
eval_pv()	NEED_eval_pv	NEED_eval_pv_GLOBAL
grok_bin()	NEED_grok_bin	NEED_grok_bin_GLOBAL
grok_hex()	NEED_grok_hex	NEED_grok_hex_GLOBAL
grok_number()	NEED_grok_number	NEED_grok_number_GLOBAL
grok_numeric_radix()	NEED_grok_numeric_radix	NEED_grok_numeric_radix_GLOBAL
grok_oct()	NEED_grok_oct	NEED_grok_oct_GLOBAL
gv_fetchpv_n_flags()	NEED_gv_fetchpv_n_flags	NEED_gv_fetchpv_n_flags_GLOBAL
load_module()	NEED_load_module	NEED_load_module_GLOBAL
mess()	NEED_mess	NEED_mess_GLOBAL
mess_nocontext()	NEED_mess_nocontext	NEED_mess_nocontext_GLOBAL
mess_sv()	NEED_mess_sv	NEED_mess_sv_GLOBAL
mg_findext()	NEED_mg_findext	NEED_mg_findext_GLOBAL
my_snprintf()	NEED_my_snprintf	NEED_my_snprintf_GLOBAL
my_sprintf()	NEED_my_sprintf	NEED_my_sprintf_GLOBAL
my_strlcat()	NEED_my_strlcat	NEED_my_strlcat_GLOBAL
my_strlcpy()	NEED_my_strlcpy	NEED_my_strlcpy_GLOBAL
newCONSTSUB()	NEED_newCONSTSUB	NEED_newCONSTSUB_GLOBAL
newRV_noinc()	NEED_newRV_noinc	NEED_newRV_noinc_GLOBAL

<code>newSV_type()</code>	<code>NEED_newSV_type</code>	<code>NEED_newSV_type_GLOBAL</code>
<code>newSVpvn_flags()</code>	<code>NEED_newSVpvn_flags</code>	<code>NEED_newSVpvn_flags_GLOBAL</code>
<code>newSVpvn_share()</code>	<code>NEED_newSVpvn_share</code>	<code>NEED_newSVpvn_share_GLOBAL</code>
<code>pv_display()</code>	<code>NEED_pv_display</code>	<code>NEED_pv_display_GLOBAL</code>
<code>pv_escape()</code>	<code>NEED_pv_escape</code>	<code>NEED_pv_escape_GLOBAL</code>
<code>pv_pretty()</code>	<code>NEED_pv_pretty</code>	<code>NEED_pv_pretty_GLOBAL</code>
<code>sv_2pv_flags()</code>	<code>NEED_sv_2pv_flags</code>	<code>NEED_sv_2pv_flags_GLOBAL</code>
<code>sv_2pvbyte()</code>	<code>NEED_sv_2pvbyte</code>	<code>NEED_sv_2pvbyte_GLOBAL</code>
<code>sv_catpvf_mg()</code>	<code>NEED_sv_catpvf_mg</code>	<code>NEED_sv_catpvf_mg_GLOBAL</code>
<code>sv_catpvf_mg_nocontext()</code>	<code>NEED_sv_catpvf_mg_nocontext</code>	<code>NEED_sv_catpvf_mg_nocontext_GLOBAL</code>
<code>sv_pvn_force_flags()</code>	<code>NEED_sv_pvn_force_flags</code>	<code>NEED_sv_pvn_force_flags_GLOBAL</code>
<code>sv_setpvf_mg()</code>	<code>NEED_sv_setpvf_mg</code>	<code>NEED_sv_setpvf_mg_GLOBAL</code>
<code>sv_setpvf_mg_nocontext()</code>	<code>NEED_sv_setpvf_mg_nocontext</code>	<code>NEED_sv_setpvf_mg_nocontext_GLOBAL</code>
<code>sv_unmagicext()</code>	<code>NEED_sv_unmagicext</code>	<code>NEED_sv_unmagicext_GLOBAL</code>
<code>vload_module()</code>	<code>NEED_vload_module</code>	<code>NEED_vload_module_GLOBAL</code>
<code>vmess()</code>	<code>NEED_vmess</code>	<code>NEED_vmess_GLOBAL</code>
<code>vnewSVpvf()</code>	<code>NEED_vnewSVpvf</code>	<code>NEED_vnewSVpvf_GLOBAL</code>
<code>warn()</code>	<code>NEED_warner</code>	<code>NEED_warner_GLOBAL</code>

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the `C<DPPP_NAMESPACE>` macro. Just `C<#define>` the macro before including `C<ppport.h>`:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is `C<DPPP_>`.

=back

The good thing is that most of the above can be checked by running `F<ppport.h>` on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether `F<ppport.h>` is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, `F<ppport.h>` can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --plusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different C<diff> program or options, using the C<--diff> option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

```
perl ppport.h --copy=.new
```

To display portability information for the C<newSVpvn> function, use:

```
perl ppport.h --api-info=newSVpvn
```

Since the argument to C<--api-info> can be a regular expression, you can use

```
perl ppport.h --api-info=/_nomg$/
```

to display portability information for all C<_nomg> functions or

```
perl ppport.h --api-info=./.
```

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPport> are available on CPAN before sending a bug report.

If `F<ppport.h>` was generated using the latest version of `C<Devel::PPPort>` and is causing failure of this module, please file a bug report here: [L<https://github.com/mhx/Devel-PPPort/issues/>](https://github.com/mhx/Devel-PPPort/issues/)

Please include the following information:

=over 4

=item 1.

The complete output from running `"perl -V"`

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the `C<Devel::PPPort>` module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See [L<Devel::PPPort>](#).

```

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '${^RE_TRIE_MAXBUF} = -1' if $] >= 5.009004 && $] <= 5.009005 }

my $VERSION = 3.39;

my %opt = (
    quiet => 0,
    diag => 1,
    hints => 1,
    changes => 1,
    cplusplus => 0,
    filter => 1,
    strip => 0,
    version => 0,
);

my($ppport) = $0 =~ /([\w.]+)$/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[\t]";          # horizontal whitespace

# Never use C comments in this file!
my $ccs = '!.*';
my $cce = '.*!';
my $rcs = quotemeta $ccs;
my $rce = quotemeta $cce;

eval {
    require Getopt::Long;
    Getopt::Long::GetOptions(\%opt,
        qw(
            help quiet diag! filter! hints! changes! cplusplus strip version
            patch=s copy=s diff=s compat-version=s
            list-provided list-unsupported api-info=s
        )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
    usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
    die "Getopt::Long not found. Please don't use any options.\n";
}

if ($opt{version}) {
    print "This is $0 $VERSION.\n";
}

```

```

exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
    my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
    if ($@) {
        die "Invalid version number format: '$opt{'compat-version'}'\n";
    }
    die "Only Perl 5 is supported\n" if $r != 5;
    die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
    $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
    $opt{'compat-version'} = 5;
}

my %API = map { /^(\w+)\|([^\|]*)\|([^\|]*)\|(w*)$/
    ? ( $1 => {
        ($2
        ? ( base    => $2 ) : ()),
        ($3
        ? ( todo    => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),
        } )
    : die "invalid spec: $_" } qw(
ASCII_TO_NEED|5.007001|n
AvFILLp|5.004050|p
AvFILL|||
BhkDISABLE|5.024000|
BhkENABLE|5.024000|
BhkENTRY_set|5.024000|
BhkENTRY|||
BhkFLAGS|||
CALL_BLOCK_HOOKS|||
CLASS|||n
CPERLscope|5.005000|p
CX_CURPAD_SAVE|||
CX_CURPAD_SV|||
C_ARRAY_END|5.013002|p
C_ARRAY_LENGTH|5.008001|p
CopFILEAV|5.006000|p
CopFILEGV_set|5.006000|p
CopFILEGV|5.006000|p
CopFILESV|5.006000|p

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CopFILE_set|5.006000||p
CopFILE|5.006000||p
CopSTASHPV_set|5.006000||p
CopSTASHPV|5.006000||p
CopSTASH_eq|5.006000||p
CopSTASH_set|5.006000||p
CopSTASH|5.006000||p
CopyD|5.009002|5.004050|p
Copy|||
CvPADLIST||5.008001|
CvSTASH|||
CvWEAKOUTSIDE|||
DECLARATION_FOR_LC_NUMERIC_MANIPULATION||5.021010|n
DEFSV_set|5.010001||p
DEFSV|5.004050||p
DO_UTF8||5.006000|
END_EXTERN_C|5.005000||p
ENTER|||
ERRSV|5.004050||p
EXTEND|||
EXTERN_C|5.005000||p
F0convert|||n
FREEMPS|||
GIMME_V||5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002||p
G_ARRAY|||
G_DISCARD|||
G_EVAL|||
G_METHOD|5.006001||p
G_NOARGS|||
G_SCALAR|||
G_VOID||5.004000|
GetVars|||
GvAV|||
GvCV|||
GvHV|||
GvSV|||
Gv_AMupdate||5.011000|
HEf_SVKEY|5.003070||p
HeHASH||5.003070|
HeKEY||5.003070|
HeKLEN||5.003070|
HePV||5.004000|
HeSVKEY_force||5.003070|
HeSVKEY_set||5.004000|
HeSVKEY||5.003070|
HeUTF8|5.010001|5.008000|p

HeVAL|5.003070|
HvENAMELEN|5.015004|
HvENAMEUTF8|5.015004|
HvENAME|5.013007|
HvNAMELEN_get|5.009003||p
HvNAMELEN|5.015004|
HvNAMEUTF8|5.015004|
HvNAME_get|5.009003||p
HvNAME|||
INT2PTR|5.006000||p
IN_LOCALE_COMPILETIME|5.007002||p
IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002||p
IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
IVSIZE|5.006000||p
IVTYPE|5.006000||p
IVdf|5.006000||p
LEAVE|||
LINKLIST|5.013006|
LVRET|||
MARK|||
MULTICALL|5.024000|
MUTABLE_PTR|5.010001||p
MUTABLE_SV|5.010001||p
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002|5.004050|p
Move|||
NATIVE_TO_NEED|5.007001|n
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav|||
Nullch|||
Nullcv|||

Nullhv|||
Nullsv|||
OP_CLASS|5.013007|
OP_DESC|5.007003|
OP_NAME|5.007003|
OP_TYPE_IS_OR_WAS|5.019010|
OP_TYPE_IS|5.019007|
ORIGMARK|||
OpHAS_SIBLING|5.021007||p
OpLASTSIB_set|5.021011||p
OpMAYBESIB_set|5.021011||p
OpMORESIB_set|5.021011||p
OpSIBLING|5.021007||p
PAD_BASE_SV|||
PAD_CLONE_VARS|||
PAD_COMPNAME_FLAGS|||
PAD_COMPNAME_GEN_set|||
PAD_COMPNAME_GEN|||
PAD_COMPNAME_OURSTASH|||
PAD_COMPNAME_PV|||
PAD_COMPNAME_TYPE|||
PAD_RESTORE_LOCAL|||
PAD_SAVE_LOCAL|||
PAD_SAVE_SETNULLPAD|||
PAD_SETSV|||
PAD_SET_CUR_NOSAVE|||
PAD_SET_CUR|||
PAD_SV|||
PAD_SV|||
PERLIO_FUNCS_CAST|5.009003||p
PERLIO_FUNCS_DECL|5.009003||p
PERL_ABS|5.008001||p
PERL_ARGS_ASSERT_CROAK_XS_USAGE||p
PERL_BCDVERSION|5.024000||p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001||p
PERL_HASH|5.003070||p
PERL_INT_MAX|5.003070||p
PERL_INT_MIN|5.003070||p
PERL_LONG_MAX|5.003070||p
PERL_LONG_MIN|5.003070||p
PERL_MAGIC_arylen|5.007002||p
PERL_MAGIC_backref|5.007002||p
PERL_MAGIC_bm|5.007002||p
PERL_MAGIC_collxfrm|5.007002||p
PERL_MAGIC_dbfile|5.007002||p
PERL_MAGIC_dbline|5.007002||p
PERL_MAGIC_defelem|5.007002||p
PERL_MAGIC_envelem|5.007002||p

PERL_MAGIC_env|5.007002||p
PERL_MAGIC_ext|5.007002||p
PERL_MAGIC_fm|5.007002||p
PERL_MAGIC_glob|5.024000||p
PERL_MAGIC_isaelem|5.007002||p
PERL_MAGIC_isa|5.007002||p
PERL_MAGIC_mutex|5.024000||p
PERL_MAGIC_nkeys|5.007002||p
PERL_MAGIC_overload_elem|5.024000||p
PERL_MAGIC_overload_table|5.007002||p
PERL_MAGIC_overload|5.024000||p
PERL_MAGIC_pos|5.007002||p
PERL_MAGIC_qr|5.007002||p
PERL_MAGIC_regdata|5.007002||p
PERL_MAGIC_regdatum|5.007002||p
PERL_MAGIC_regex_global|5.007002||p
PERL_MAGIC_shared_scalar|5.007003||p
PERL_MAGIC_shared|5.007003||p
PERL_MAGIC_sigelem|5.007002||p
PERL_MAGIC_sig|5.007002||p
PERL_MAGIC_substr|5.007002||p
PERL_MAGIC_sv|5.007002||p
PERL_MAGIC_taint|5.007002||p
PERL_MAGIC_tiedelem|5.007002||p
PERL_MAGIC_tiedscalar|5.007002||p
PERL_MAGIC_tied|5.007002||p
PERL_MAGIC_utf8|5.008001||p
PERL_MAGIC_uvar_elem|5.007003||p
PERL_MAGIC_uvar|5.007002||p
PERL_MAGIC_vec|5.007002||p
PERL_MAGIC_vstring|5.008001||p
PERL_PV_ESCAPE_ALL|5.009004||p
PERL_PV_ESCAPE_FIRSTCHAR|5.009004||p
PERL_PV_ESCAPE_NOBACKSLASH|5.009004||p
PERL_PV_ESCAPE_NOCLEAR|5.009004||p
PERL_PV_ESCAPE_QUOTE|5.009004||p
PERL_PV_ESCAPE_RE|5.009005||p
PERL_PV_ESCAPE_UNI_DETECT|5.009004||p
PERL_PV_ESCAPE_UNI|5.009004||p
PERL_PV_PRETTY_DUMP|5.009004||p
PERL_PV_PRETTY_ELLIPSES|5.010000||p
PERL_PV_PRETTY_LTGT|5.009004||p
PERL_PV_PRETTY_NOCLEAR|5.010000||p
PERL_PV_PRETTY_QUOTE|5.009004||p
PERL_PV_PRETTY_REGPROP|5.009004||p
PERL_QUAD_MAX|5.003070||p
PERL_QUAD_MIN|5.003070||p
PERL_REVISION|5.006000||p

PERL_SCAN_ALLOW_UNDERSCORES|5.007003||p
PERL_SCAN_DISALLOW_PREFIX|5.007003||p
PERL_SCAN_GREATER_THAN_UV_MAX|5.007003||p
PERL_SCAN_SILENT_ILLDIGIT|5.008001||p
PERL_SHORT_MAX|5.003070||p
PERL_SHORT_MIN|5.003070||p
PERL_SIGNALS_UNSAFE_FLAG|5.008001||p
PERL_SUBVERSION|5.006000||p
PERL_SYS_INIT3||5.006000|
PERL_SYS_INIT|||
PERL_SYS_TERM||5.024000|
PERL_UCHAR_MAX|5.003070||p
PERL_UCHAR_MIN|5.003070||p
PERL_UINT_MAX|5.003070||p
PERL_UINT_MIN|5.003070||p
PERL_ULONG_MAX|5.003070||p
PERL_ULONG_MIN|5.003070||p
PERL_UNUSED_ARG|5.009003||p
PERL_UNUSED_CONTEXT|5.009004||p
PERL_UNUSED_DECL|5.007002||p
PERL_UNUSED_RESULT|5.021001||p
PERL_UNUSED_VAR|5.007002||p
PERL_UQUAD_MAX|5.003070||p
PERL_UQUAD_MIN|5.003070||p
PERL_USE_GCC_BRACE_GROUPS|5.009004||p
PERL_USHORT_MAX|5.003070||p
PERL_USHORT_MIN|5.003070||p
PERL_VERSION|5.006000||p
PL_DBsignal|5.005000||p
PL_DBsingle|||pn
PL_DBsub|||pn
PL_DBtrace|||pn
PL_Sv|5.005000||p
PL_bufend|5.024000||p
PL_bufptr|5.024000||p
PL_check||5.006000|
PL_compiling|5.004050||p
PL_comppad_name||5.017004|
PL_comppad||5.008001|
PL_copline|5.024000||p
PL_curcop|5.004050||p
PL_curpad||5.005000|
PL_curstash|5.004050||p
PL_debstash|5.004050||p
PL_defgv|5.004050||p
PL_diehook|5.004050||p
PL_dirty|5.004050||p
PL_dowarn|||pn

PL_errgv|5.004050|p
PL_error_count|5.024000|p
PL_expect|5.024000|p
PL_hexdigit|5.005000|p
PL_hints|5.005000|p
PL_in_my_stash|5.024000|p
PL_in_my|5.024000|p
PL_keyword_plugin||5.011002|
PL_last_in_gv||n
PL_laststatval|5.005000|p
PL_lex_state|5.024000|p
PL_lex_stuff|5.024000|p
PL_linestr|5.024000|p
PL_modglobal||5.005000|n
PL_na|5.004050|pn
PL_no_modify|5.006000|p
PL_ofsgv||n
PL_opfreehook||5.011000|n
PL_parser|5.009005|p
PL_peekp||5.007003|n
PL_perl_destruct_level|5.004050|p
PL_perldb|5.004050|p
PL_ppaddr|5.006000|p
PL_rpeekp||5.013005|n
PL_rsfilters|5.024000|p
PL_rsfp|5.024000|p
PL_rs||n
PL_signals|5.008001|p
PL_stack_base|5.004050|p
PL_stack_sp|5.004050|p
PL_statcache|5.005000|p
PL_stdingv|5.004050|p
PL_sv_arenaroot|5.004050|p
PL_sv_no|5.004050|pn
PL_sv_undef|5.004050|pn
PL_sv_yes|5.004050|pn
PL_tainted|5.004050|p
PL_tainting|5.004050|p
PL_tokenbuf|5.024000|p
POP_MULTICALL||5.024000|
POPi||n
POPi||n
POPn||n
POPpbytex||5.007001|n
POPpx||5.005030|n
POPp||n
POPs||n
POPul||5.006000|n

POPu|5.004000|n
PTR2IV|5.006000||p
PTR2NV|5.006000||p
PTR2UV|5.006000||p
PTR2nat|5.009003||p
PTR2ul|5.007001||p
PTRV|5.006000||p
PUSHMARK||
PUSH_MULTICALL|5.024000|
PUSHi||
PUSHmortal|5.009002||p
PUSHn||
PUSHp||
PUSHs||
PUSHu|5.004000||p
PUTBACK||
PadARRAY|5.024000|
PadMAX|5.024000|
PadlistARRAY|5.024000|
PadlistMAX|5.024000|
PadlistNAMESARRAY|5.024000|
PadlistNAMESMAX|5.024000|
PadlistNAMES|5.024000|
PadlistREFCNT|5.017004|
PadnameIsOUR||
PadnameIsSTATE||
PadnameLEN|5.024000|
PadnameOURSTASH||
PadnameOUTER||
PadnamePV|5.024000|
PadnameREFCNT_dec|5.024000|
PadnameREFCNT|5.024000|
PadnameSV|5.024000|
PadnameTYPE||
PadnameUTF8|5.021007|
PadnamelistARRAY|5.024000|
PadnamelistMAX|5.024000|
PadnamelistREFCNT_dec|5.024000|
PadnamelistREFCNT|5.024000|
PerlIO_clearerr|5.007003|
PerlIO_close|5.007003|
PerlIO_context_layers|5.009004|
PerlIO_eof|5.007003|
PerlIO_error|5.007003|
PerlIO_fileno|5.007003|
PerlIO_fill|5.007003|
PerlIO_flush|5.007003|
PerlIO_get_base|5.007003|

PerlIO_get_bufsiz|5.007003|
PerlIO_get_cnt|5.007003|
PerlIO_get_ptr|5.007003|
PerlIO_read|5.007003|
PerlIO_restore_errno|||
PerlIO_save_errno|||
PerlIO_seek|5.007003|
PerlIO_set_cnt|5.007003|
PerlIO_set_ptrcnt|5.007003|
PerlIO_setlinebuf|5.007003|
PerlIO_stderr|5.007003|
PerlIO_stdin|5.007003|
PerlIO_stdout|5.007003|
PerlIO_tell|5.007003|
PerlIO_unread|5.007003|
PerlIO_write|5.007003|
Perl_signbit|5.009005|n
PoisonFree|5.009004||p
PoisonNew|5.009004||p
PoisonWith|5.009004||p
Poison|5.008000||p
READ_XDIGIT|5.017006|
RESTORE_LC_NUMERIC|5.024000|
RETVAl||n
Renewc|||
Renew|||
SAVECLEARSV|||
SAVECOMPAD|||
SAVEPADSV|||
SAVETMPS|||
SAVE_DEFSV|5.004050||p
SPAGAIN|||
SP|||
START_EXTERN_C|5.005000||p
START_MY_CXT|5.007003||p
STMT_END|||p
STMT_START|||p
STORE_LC_NUMERIC_FORCE_TO_UNDERLYING|5.024000|
STORE_LC_NUMERIC_SET_TO_NEEDED|5.024000|
STR_WITH_LEN|5.009003||p
ST|||
SV_CONST_RETURN|5.009003||p
SV_COW_DROP_PV|5.008001||p
SV_COW_SHARED_HASH_KEYS|5.009005||p
SV_GMAGIC|5.007002||p
SV_HAS_TRAILING_NUL|5.009004||p
SV_IMMEDIATE_UNREF|5.007001||p
SV_MUTABLE_RETURN|5.009003||p

SV_NOSTEAL|5.009002||p
SV_SMAGIC|5.009003||p
SV_UTF8_NO_ENCODING|5.008001||p
SVfARG|5.009005||p
SVf_UTF8|5.006000||p
SVf|5.006000||p
SVt_INVLIST||5.019002|
SVt_IV|||
SVt_NULL|||
SVt_NV|||
SVt_PVAV|||
SVt_PVCV|||
SVt_PVFM|||
SVt_PVGV|||
SVt_PVHV|||
SVt_PVIO|||
SVt_PVIV|||
SVt_PVLV|||
SVt_PVMG|||
SVt_PVNV|||
SVt_PV|||
SVt_REGEX||5.011000|
Safefree|||
Slab_Alloc|||
Slab_Free|||
Slab_to_ro|||
Slab_to_rw|||
StructCopy|||
SvCUR_set|||
SvCUR|||
SvEND|||
SvGAMAGIC||5.006001|
SvGETMAGIC|5.004050||p
SvGROW|||
SvIOK_UV||5.006000|
SvIOK_notUV||5.006000|
SvIOK_off|||
SvIOK_only_UV||5.006000|
SvIOK_only|||
SvIOK_on|||
SvIOKp|||
SvIOK|||
SvIVX|||
SvIV_nomg|5.009001||p
SvIV_set|||
SvIVx|||
SvIV|||
SvIsCOW_shared_hash||5.008003|

SvIsCOW|5.008003|
SvLEN_set|||
SvLEN|||
SvLOCK|5.007003|
SvMAGIC_set|5.009003|p
SvNIOK_off|||
SvNIOKp|||
SvNIOK|||
SvNOK_off|||
SvNOK_only|||
SvNOK_on|||
SvNOKp|||
SvNOK|||
SvNVX|||
SvNV_nomg|5.013002|
SvNV_set|||
SvNVx|||
SvNV|||
SvOK|||
SvOOK_offset|5.011000|
SvOOK|||
SvPOK_off|||
SvPOK_only_UTF8|5.006000|
SvPOK_only|||
SvPOK_on|||
SvPOKp|||
SvPOK|||
SvPVX_const|5.009003|p
SvPVX_mutable|5.009003|p
SvPVX|||
SvPV_const|5.009003|p
SvPV_flags_const_nolen|5.009003|p
SvPV_flags_const|5.009003|p
SvPV_flags_mutable|5.009003|p
SvPV_flags|5.007002|p
SvPV_force_flags_mutable|5.009003|p
SvPV_force_flags_nolen|5.009003|p
SvPV_force_flags|5.007002|p
SvPV_force_mutable|5.009003|p
SvPV_force_nolen|5.009003|p
SvPV_force_nomg_nolen|5.009003|p
SvPV_force_nomg|5.007002|p
SvPV_force||p
SvPV_mutable|5.009003|p
SvPV_nolen_const|5.009003|p
SvPV_nolen|5.006000|p
SvPV_nomg_const_nolen|5.009003|p
SvPV_nomg_const|5.009003|p

SvPV_nomg_nolen|5.013007||p
SvPV_nomg|5.007002||p
SvPV_renew|5.009003||p
SvPV_set||
SvPVbyte_force||5.009002|
SvPVbyte_nolen||5.006000|
SvPVbytex_force||5.006000|
SvPVbytex||5.006000|
SvPVbyte|5.006000||p
SvPVutf8_force||5.006000|
SvPVutf8_nolen||5.006000|
SvPVutf8x_force||5.006000|
SvPVutf8x||5.006000|
SvPVutf8||5.006000|
SvPVx||
SvPV||
SvREFCNT_dec_NN||5.017007|
SvREFCNT_dec||
SvREFCNT_inc_NN|5.009004||p
SvREFCNT_inc_simple_NN|5.009004||p
SvREFCNT_inc_simple_void_NN|5.009004||p
SvREFCNT_inc_simple_void|5.009004||p
SvREFCNT_inc_simple|5.009004||p
SvREFCNT_inc_void_NN|5.009004||p
SvREFCNT_inc_void|5.009004||p
SvREFCNT_inc||p
SvREFCNT||
SvROK_off||
SvROK_on||
SvROK||
SvRV_set|5.009003||p
SvRV||
SvRXOK|5.009005||p
SvRX|5.009005||p
SvSETMAGIC||
SvSHARED_HASH|5.009003||p
SvSHARE||5.007003|
SvSTASH_set|5.009003||p
SvSTASH||
SvSetMagicSV_nosteal||5.004000|
SvSetMagicSV||5.004000|
SvSetSV_nosteal||5.004000|
SvSetSV||
SvTAINTED_off||5.004000|
SvTAINTED_on||5.004000|
SvTAINTED||5.004000|
SvTAINT||
SvTHINKFIRST||

SvTRUE_nomg|5.013006|
SvTRUE|||
SvTYPE|||
SvUNLOCK|5.007003|
SvUOK|5.007001|5.006000|p
SvUPGRADE|||
SvUTF8_off|5.006000|
SvUTF8_on|5.006000|
SvUTF8|5.006000|
SvUVXx|5.004000|p
SvUVX|5.004000|p
SvUV_nomg|5.009001|p
SvUV_set|5.009003|p
SvUVx|5.004000|p
SvUV|5.004000|p
SvVOK|5.008001|
SvVSTRING_mg|5.009004|p
THIS||n
UNDERBAR|5.009002|p
UTF8SKIP|5.006000|
UTF8_MAXBYTES|5.009002|p
UVCHR_SKIP|5.022000|
UVSIZE|5.006000|p
UVTYPE|5.006000|p
UVXf|5.007001|p
UVof|5.006000|p
UVuf|5.006000|p
UVxf|5.006000|p
WARN_ALL|5.006000|p
WARN_AMBIGUOUS|5.006000|p
WARN_ASSERTIONS|5.024000|p
WARN_BAREWORD|5.006000|p
WARN_CLOSED|5.006000|p
WARN_CLOSURE|5.006000|p
WARN_DEBUGGING|5.006000|p
WARN_DEPRECATED|5.006000|p
WARN_DIGIT|5.006000|p
WARN_EXEC|5.006000|p
WARN_EXITING|5.006000|p
WARN_GLOB|5.006000|p
WARN_INPLACE|5.006000|p
WARN_INTERNAL|5.006000|p
WARN_IO|5.006000|p
WARN_LAYER|5.008000|p
WARN_MALLOC|5.006000|p
WARN_MISC|5.006000|p
WARN_NEWLINE|5.006000|p
WARN_NUMERIC|5.006000|p

WARN_ONCE|5.006000||p
WARN_OVERFLOW|5.006000||p
WARN_PACK|5.006000||p
WARN_PARENTHESES|5.006000||p
WARN_PIPE|5.006000||p
WARN_PORTABLE|5.006000||p
WARN_PRECEDENCE|5.006000||p
WARN_PRINTF|5.006000||p
WARN_PROTOTYPE|5.006000||p
WARN_QW|5.006000||p
WARN_RECURSION|5.006000||p
WARN_REDEFINE|5.006000||p
WARN_REGEX|5.006000||p
WARN_RESERVED|5.006000||p
WARN_SEMICOLON|5.006000||p
WARN_SEVERE|5.006000||p
WARN_SIGNAL|5.006000||p
WARN_SUBSTR|5.006000||p
WARN_SYNTAX|5.006000||p
WARN_TAINT|5.006000||p
WARN_THREADS|5.008000||p
WARN_UNINITIALIZED|5.006000||p
WARN_UNOPENED|5.006000||p
WARN_UNPACK|5.006000||p
WARN_UNTIE|5.006000||p
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);

if
(exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '\x{40-length($f)}, " ', format_version($API{$f}{todo}), "\n";
}
}

```

```

}
exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint,
$define, $function);

sub find_api
{
my $code = shift;
$code =~ s{
 /(?: \*[^*]*\*+(?:[^\$ccs][^*]*\*+)* /|/^\r\n*)
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*' }{ }egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}

while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\*\s(?:\s*$)} {
for (@{$hint->[1]}) {
$h->{$_} ||= ""; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}
else { undef $hint }
}

$hint = [$1, [split /,?\s+/, $2]]
if m{^\s*$rccs\s+(Hint|Warning):\s+(\w+(?:,\s+\w+)*)\s*$};

if ($define) {
if ($define->[1] =~ /\$/) {
$define->[1] .= $_;
}
else {
if (exists $API{$define->[0]} && $define->[1] !~/^DPPP_\(/) {
my @n = find_api($define->[1]);
push @{$depends{$define->[0]}}, @n if @n
}
undef $define;
}
}
}
}

```

```

$define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(.*)};

if ($function) {
  if (/^/) {
    if (exists $API{$function->[0]}) {
      my @n = find_api($function->[1]);
      push @{$depends{$function->[0]}}, @n if @n
    }
    undef $function;
  }
  else {
    $function->[1] .= $_;
  }
}

$function = [$1, " ] if m{^DPPP_(\my_(\w+))};

$replace = $1 if m{^\s*$rcce\s+Replace:\s+(\d+)\s+$rcce\s*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+).*rcce\s+Replace\s+$rcce};
$replace{$1} = $2 if m{^\s*$rcce\s+Replace (\w+) with (\w+)\s+$rcce\s*$};

if (m{^\s*$rcce\s+(\w+(\s*,\s*\w+*))\s+depends\s+on\s+(\w+(\s*,\s*\w+*))\s+$rcce\s*$}) {
  my @deps = map { s/\s+//g; $_ } split /\s/, $3;
  my $d;
  for $d (map { s/\s+//g; $_ } split /\s/, $1) {
    push @{$depends{$d}}, @deps;
  }
}

$need{$1} = 1 if m{^#\s+defined\(\NEED_(\w+)(?:_GLOBAL)?\)};
}

for (values %depends) {
  my %s;
  $_ = [sort grep
  !$_{$_}++, @$_];
}

if (exists $opt{'api-info'}) {
  my $f;
  my $count = 0;
  my $match = $opt{'api-info'} =~ m!^(.+)/! ? $1 : "\Q$opt{'api-info'}\E\$";
  for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $f =~ /$match/;
    print "\n=== $f ===\n\n";
    my $info = 0;
  }
}

```

```

if ($API{$f}{base} || $API{$f}{todo}) {
    my $base = format_version($API{$f}{base} || $API{$f}{todo});
    print "Supported at least starting from perl-$base.\n";
    $info++;
}
if ($API{$f}{provided}) {
    my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
    print "Support by $ppport provided back to perl-$todo.\n";
    print "Support needs to be explicitly requested by NEED_$.f.\n" if exists $need{$f};
    print "Depends on: ", join(', ', @{$depends{$f}}), ".\n" if exists $depends{$f};
    print "\n$hints{$f}" if exists $hints{$f};
    print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
    $info++;
}
print "No portability information
available.\n" unless $info;
$count++;
}
$count or print "Found no API matching '$opt{api-info}':";
print "\n";
exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend' if exists $depends{$f};
        push @flags, 'hint' if exists $hints{$f};
        push @flags, 'warning' if exists $warnings{$f};
        my $flags = @flags ? '[' . join(', ', @flags) . ']' : '';
        print "$f$flags\n";
    }
    exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
    my %seen;
    for (@ARGV) {
        if (-e) {
            if (-f) {
                push @files, $_ unless $seen{$_}++;
            }
        }
    }
}

```

```

    }
    else { warn "'$_' is not a file.\n" }
  }
else {
  my @new = grep { -f } glob $_
    or warn "'$_' does not exist.\n";
  push @files, grep { !$seen{$_}++
} @new;
}
}
}
else {
eval {
  require File::Find;
  File::Find::find(sub {
    $File::Find::name =~ /($srcext)$/i
    and push @files, $File::Find::name;
  }, '.');
};
if ($@) {
  @files = map { glob "*$_" } @srcext;
}
}

if (!@ARGV || $opt{filter}) {
  my(@in, @out);
  my %xsc = map { /(.*)\.xs$/ ? ("1.c" => 1, "1.cc" => 1) : () } @files;
  for (@files) {
    my $out = exists $xsc{$_} || /\bQ$ppport\E$/i || !/($srcext)$/i;
    push @ { $out ? \@out : \@in }, $_;
  }
  if (@ARGV && @out) {
    warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
  }
  @files = @in;
}

die "No input files given!\n" unless @files;

my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

for $filename (@files) {
  unless (open IN, "<$filename") {
    warn "Unable to read from $filename: $!\n";
    next;
  }
}

```

```

}

info("Scanning $filename ...");

my $c = do { local $/; <IN> };
close IN;

my %file = (orig => $c, changes => 0);

# Temporarily remove C/XS comments and strings from the code
my @ccom;

$c =~ s{
  ( ^$HS*#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
  | ^$HS*#$HS*(?:define|elif|if(?:def?))\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
  | "[^"\\]*(?:\\.[^"\\])*"
  | '[^'\\]*(?:\\.[^'\\])*'
  | /(?:\[^\[\]*\*+(?:\[^\[\]*\[^\[\]*\*+|\/[^\r\n]* ) )
)}{ defined $2 and push @ccom, $2;
  defined $1 ? $1 : "$ccs#$ccom$cce" }mgsex;

$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;

my $func;

for $func (keys %API) {
  my $match = $func;
  $match = "$$revreplace{$func}" if exists $revreplace{$func};
  if ($c =~ /\b(?:Perl_)?($match)\b/) {
    $file{uses_replace}{$func}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
    $file{uses_Perl}{$func}++ if $c =~ /\bPerl_{$func}\b/;
    if (exists $API{$func}{provided}) {
      $file{uses_provided}{$func}++;
      if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
        $file{uses}{$func}++;
        my @deps = rec_depend($func);
        if (@deps) {
          $file{uses_deps}{$func} = \@deps;
          for (@deps) {
            $file{uses}{$_} = 0 unless exists $file{uses}{$_};
          }
        }
      }
    }
    for ($func, @deps) {
      $file{needs}{$_} = 'static' if exists $need{$_};
    }
  }
}

```



```

    }
  }
  if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
    if ($c =~ /\b$func\b/) {
      $file{uses_todo}{$func}++;
    }
  }
}
}
}
}
}

```

```

while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
  if (exists $need{$2}) {
    $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
  }
  else { warning("Possibly wrong #define $1 in $filename") }
}

```

```

for (qw(uses needs uses_todo needed_global needed_static)) {
  for $func (keys %{$file{$_}})
  {
    push @{$global{$_}{$func}}, $filename;
  }
}

```

```

$files{$filename} = \%file;
}

```

```

# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
  if (@{$global{needs}{$need}} > 1) {
    my @targets = @{$global{needs}{$need}};
    my @t = grep $files{$_}{needed_global}{$need}, @targets;
    @targets = @t if @t;
    @t = grep /\.xs$/i, @targets;
    @targets = @t if @t;
    my $target = shift @targets;
    $files{$target}{needs}{$need} = 'global';
    for (@{$global{needs}{$need}}) {
      $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
    }
  }
}
}
}

```

```

for $filename (@files) {
  exists $files{$filename} or next;

  info("=== Analyzing $filename ===");
}

```

```

my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
my $warnings = 0;

for $func (sort keys %{$file{uses_Perl}}) {
  if ($API{$func}{varargs}) {
    unless ($API{$func}{nothxarg}) {
      my $changes = ($c =~ s{\b(Perl_?func\s*\(\s*(?!aTHX_?)\(\)[^\s]*\))}

      { $1 . ($2 eq ') ? 'aTHX' : 'aTHX_' ) . $2 }ge);
      if ($changes) {
        warning("Doesn't pass interpreter argument aTHX to Perl_?func");
        $file{changes} += $changes;
      }
    }
  }
  else {
    warning("Uses Perl_?func instead of $func");
    $file{changes} += ($c =~ s{\bPerl_?func(\s*\(\s*aTHX_?)?\s*}
      {$func$1}g);
  }
}

for $func (sort keys %{$file{uses_replace}}) {
  warning("Uses $func instead of $replace{$func}");
  $file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {
  if ($file{uses}{$func}) {
    if (exists $file{uses_deps}{$func}) {
      diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
    }
    else {
      diag("Uses $func");
    }
  }
  $warnings += hint($func);
}

unless ($opt{quiet}) {
  for $func (sort keys %{$file{uses_todo}}) {
    print "**** WARNING: Uses $func, which may
not be portable below perl ",
      format_version($API{$func}{todo}), ", even with '$ppport\n";
    $warnings++;
  }
}

```

```

}
}

for $func (sort keys % {$file{needed_static}}) {
  my $message = "";
  if (not exists $file{uses}{$func}) {
    $message = "No need to define NEED_$func if $func is never used";
  }
  elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
    $message = "No need to define NEED_$func when already needed globally";
  }
  if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_$func\b.*$LF//mg);
  }
}

for $func (sort keys % {$file{needed_global}}) {
  my $message = "";
  if (not exists $global{uses}{$func}) {
    $message = "No need to define NEED_{$func}_GLOBAL if $func is never used";
  }
  elsif (exists $file{needs}{$func}) {
    if ($file{needs}{$func} eq 'extern') {
      $message = "No need to define NEED_{$func}_GLOBAL when already needed globally";
    }
    elsif ($file{needs}{$func} eq 'static') {
      $message = "No need to define NEED_{$func}_GLOBAL when only used in this file";
    }
  }
  if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_{$func}_GLOBAL\b.*$LF//mg);
  }
}

$file{needs_inc_ppport} = keys % {$file{uses}};

if ($file{needs_inc_ppport}) {
  my $pp = "";

  for $func (sort keys % {$file{needs}}) {
    my $type = $file{needs}{$func};
    next if $type eq 'extern';
    my $suffix = $type eq 'global' ? '_GLOBAL' : "";
    unless (exists $file{"needed_$type"}{$func}) {
      if ($type eq 'global') {
        diag("Files [@$global{needs}{$func}] need $func, adding global request");
      }
    }
  }
}

```

```

    }
    else {
        diag("File needs $func, adding static request");
    }
    $pp .= "#define NEED_$func$suffix\n";
}
}

if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
    $pp = "";
    $file{changes}++;
}

unless ($file{has_inc_ppport}) {
    diag("Needs to include '$ppport'");
    $pp .= qq(#include "$ppport"\n)
}

if ($pp) {
    $file{changes} += ($c =~ s/^(($HS*#$HS*define$HS+NEED_\w+.*?)/$1$pp/ms)
        || ($c =~ s/^(?=$HS*#$HS*include.*\Q$ppport\E)/$pp/m)
        || ($c =~ s/^(($HS*#$HS*include.*XSUB.*\s*?)/$1$pp/m)
        || ($c =~ s/^\$pp/);
}
}
else {
    if ($file{has_inc_ppport}) {
        diag("No need to include '$ppport'");
        $file{changes} += ($c =~ s/^\$HS*?#$HS*include.*\Q$ppport\E.*?$LF//m);
    }
}

# put back in our C comments
my $ix;
my $cpc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^/!!) {
        $cpc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    }
    else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cpc) {
    my $s = $cpc != 1 ? 's' : '';

```

```

warning("Uses Scppc C++ style comment$,
which is not portable");
}

my $s = $warnings != 1 ? 's' : "";
my $warn = $warnings ? " ($warnings warning$s)" : "";
info("Analysis completed$warn");

if ($file{changes}) {
  if (exists $opt{copy}) {
    my $newfile = "$filename$opt{copy}";
    if (-e $newfile) {
      error("$newfile' already exists, refusing to write copy of '$filename'");
    }
    else {
      local *F;
      if (open F, ">$newfile") {
        info("Writing copy of '$filename' with changes to '$newfile'");
        print F $c;
        close F;
      }
      else {
        error("Cannot open '$newfile' for writing: $!");
      }
    }
  }
  elseif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
      unless ($patch_opened) {
        if (open PATCH, ">$opt{patch}") {
          $patch_opened = 1;
        }
        else {
          error("Cannot open '$opt{patch}' for writing: $!");
          delete $opt{patch};
          $opt{changes}
= 1;
          goto fallback;
        }
      }
      mydiff(\*PATCH, $filename, $c);
    }
    else {
fallback:
      info("Suggested changes:");
      mydiff(\*STDOUT, $filename, $c);
    }
  }
}

```

```

else {
    my $s = $file{changes} == 1 ? " : 's';
    info("$file{changes} potentially required change$s detected");
}
}
else {
    info("Looks good");
}
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return $@ eq " }

sub mydiff
{
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and try_use("Text::Diff")) {
        $diff = Text::Diff::diff($file, \$str, { STYLE => 'Unified' });
        $diff = <<HEADER . $diff;
        --- $file
        +++ $file.patched
        HEADER
    }

    if (!defined $diff) {
        $diff = run_diff('diff -u', $file, $str);
    }

    if (!defined $diff) {
        $diff = run_diff('diff', $file, $str);
    }

    if (!defined $diff) {

        error("Cannot generate a diff. Please install Text::Diff or use --copy.");
        return;
    }
}

```

```

print F $diff;
}

sub run_diff
{
my($prog, $file, $str) = @_;
my $tmp = 'dppptemp';
my $suf = 'aaa';
my $diff = "";
local *F;

while (-e "$tmp.$suf") { $suf++ }
$tmp = "$tmp.$suf";

if (open F, ">$tmp") {
print F $str;
close F;

if (open F, "$prog $file $tmp |") {
while (<F>) {
s/^Q$tmp\E/$file.patched/;
$diff .= $_;
}
close F;
unlink $tmp;
return $diff;
}

unlink $tmp;
}
else {
error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
{
my($func, $seen) = @_;
return () unless exists $depends{$func};
$seen = {%{$seen|{}}};
return () if $seen->{$func}++;
my %s;
grep !${$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

```

```

sub parse_version
{
my $ver = shift;

if ($ver =~ /^(d+)\.(d+)\.(d+)$/) {
return ($1, $2, $3);
}
elsif ($ver !~ /^(d+)\.[d_]+$/)
{
die "cannot parse version '$ver'\n";
}

$ver =~ s/_//g;
$ver =~ s/$/000000/;

my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
if ($s % 10) {
die "cannot parse version '$ver'\n";
}
}

return ($r, $v, $s);
}

sub format_version
{
my $ver = shift;

$ver =~ s/$/000000/;
my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
if ($s % 10) {
die "invalid version '$ver'\n";
}
}
$s /= 10;

$ver = sprintf "%d.%03d", $r, $v;
$s > 0 and $ver .= sprintf "_%02d", $s;

```



```

    return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** ", @_, "\n";
}

sub error
{
    print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my
%given_warnings;
sub hint
{
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
    if (exists $warnings{$func} && !$given_warnings{$func}++) {
        my $warn = $warnings{$func};
        $warn =~ s/^\!*** !mg;
        print "*** WARNING: $func\n", $warn;
        $rv++;
    }
    if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
        my $hint = $hints{$func};
        $hint =~ s/^\ /mg;
        print " --- hint for $func ---\n", $hint;
    }
}

```

```

$rv;
}

sub usage
{
my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
my %M = ( 'T' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([^>]+)>/M{$1}$2M{$1}/g;

print <<ENDUSAGE;

```

Usage: \$usage

See perldoc \$0 for details.

ENDUSAGE

```

exit 2;
}

```

```

sub strip
{
my $self = do { local(@ARGV,$/)=($0); <> };
my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^\w+/ms;
$copy =~ s/^(?=\S+)/ /gms;
$self =~ s/^\$HS+Do NOT edit.*?(?=\^)/$copy/ms;
$self =~ s/^\$SKIP.*(?:\^__DATA__)/SKIP
if
(\@ARGV && \$ARGV[0] eq '--unstrip') {
eval { require Devel::PPPport };
\$_@ and die "Cannot require Devel::PPPport, please install.\n";
if (eval \$Devel::PPPport::VERSION < $VERSION) {
die "$0 was originally generated with Devel::PPPport $VERSION.\n"
. "Your Devel::PPPport is only version \$Devel::PPPport::VERSION.\n"
. "Please install a newer version, or --unstrip will not work.\n";
}
Devel::PPPport::WriteFile(\$0);
exit 0;
}
print <<END;

```

Sorry, but this is a stripped version of \\$.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

```
\$^X \$0 --unstrip
```

```

END
/ms;
my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
$c =~ s{
  /(?: \^[^*]*\*(?:\^[^$ccs][^*]*\*)* / | \^[r\n]*)
  | ( "\^[^\\]*?(?:\\.["\^\\"])*"
    | '\^[^\\]*?(?:\\.["\^\\"])*' )
  | ($HS+) }{ defined $2 ? ' ' : ($1 || " ) }gsex;
$c =~ s!\s+#!mg;
$c =~ s!^\$LF!mg;
$c =~ s!\s*#\s*#!mg;
$c =~ s!\s+!mg;

```

```

open OUT, ">$0" or die "cannot
strip $0: $!\n";
print OUT "$pl$c\n";

```

```

exit 0;
}

```

```

__DATA__
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-
archive-PySqlmf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/ppport.h

```

No license file was found, but licenses were detected in source scan.

=head1 NAME

File::Spec - portably perform operations on file names

=head1 SYNOPSIS

```

use File::Spec;

```

```

$x=File::Spec->catfile('a', 'b', 'c');

```

which returns 'a/b/c' under Unix. Or:

```

use File::Spec::Functions;

```

```

$x = catfile('a', 'b', 'c');

```

=head1 DESCRIPTION

This module is designed to support operations commonly performed on file

specifications (usually called "file names", but not to be confused with the contents of a file, or Perl's file handles), such as concatenating several directory and file names into a single path, or determining whether a path is rooted. It is based on code directly taken from MakeMaker 5.17, code written by Andreas Koenig, Andy Dougherty, Charles Bailey, Ilya Zakharevich, Paul Schinder, and others.

Since these functions are different for most operating systems, each set of OS specific routines is available in a separate module, including:

```
File::Spec::Unix
File::Spec::Mac
File::Spec::OS2
File::Spec::Win32
File::Spec::VMS
```

The module appropriate for the current OS is automatically loaded by File::Spec. Since some modules (like VMS) make use of facilities available only under that OS, it may not be possible to load all modules under all operating systems.

Since File::Spec is object oriented, subroutines should not be called directly, as in:

```
File::Spec::catfile('a','b');
```

but rather as class methods:

```
File::Spec->catfile('a','b');
```

For simple uses, L<File::Spec::Functions> provides convenient functional forms of these methods.

=head1 METHODS

=over 2

=item canonpath
X<canonpath>

No physical check on the filesystem, but a logical cleanup of a path.

```
$cpath = File::Spec->canonpath( $path );
```

Note that this does *not* collapse F<x/../y> sections into F<y>. This is by design. If F</foo> on your system is a symlink to F</bar/baz>,

then `F</foo/./quux>` is actually `F</bar/quux>`, not `F</quux>` as a naive `F<./>`-removal would give you. If you want to do this kind of processing, you probably want `C<Cwd>`'s `C<realpath()>` function to actually traverse the filesystem cleaning up paths like this.

=item catdir
X<catdir>

Concatenate two or more directory names to form a complete path ending with a directory. But remove the trailing slash from the resulting string, because it doesn't look good, isn't necessary and confuses OS/2. Of course, if this is the root directory, don't cut off the trailing slash :-)

```
$path = File::Spec->catdir( @directories );
```

=item catfile
X<catfile>

Concatenate one or more directory names and a filename to form a complete path ending with a filename

```
$path = File::Spec->catfile( @directories, $filename );
```

=item curdir
X<curdir>

Returns a string representation of the current directory.

```
$curdir = File::Spec->curdir();
```

=item devnull
X<devnull>

Returns a string representation of the null device.

```
$devnull = File::Spec->devnull();
```

=item rootdir
X<rootdir>

Returns a string representation of the root directory.

```
$rootdir = File::Spec->rootdir();
```

=item tmpdir

X<tmpdir>

Returns a string representation of the first writable directory from a list of possible temporary directories. Returns the current directory if no writable temporary directories are found. The list of directories checked depends on the platform; e.g. File::Spec::Unix checks C<\${ENV{TMPDIR}}> (unless taint is on) and F</tmp>.

```
$tmpdir = File::Spec->tmpdir();
```

=item updir

X<updir>

Returns a string representation of the parent directory.

```
$updir = File::Spec->updir();
```

=item no_upwards

Given a list of files in a directory (such as from C<readdir()>), strip out C<'.'> and C<'..'>.

B<SECURITY NOTE:> This does NOT filter paths containing C<'..'>, like C<'../../../../etc/passwd'>, only literal matches to C<'.'> and C<'..'>.

```
@paths = File::Spec->no_upwards( readdir $dirhandle );
```

=item case_tolerant

Returns a true or false value indicating, respectively, that alphabetic case is not or is significant when comparing file specifications. Cygwin and Win32 accept an optional drive argument.

```
$is_case_tolerant = File::Spec->case_tolerant();
```

=item file_name_is_absolute

Takes as its argument a path, and returns true if it is an absolute path.

```
$is_absolute = File::Spec->file_name_is_absolute( $path );
```

This does not consult the local filesystem on Unix, Win32, OS/2, or Mac OS (Classic). It does consult the working environment for VMS (see L<File::Spec::VMS/file_name_is_absolute>).

=item path

X<path>

Takes no argument. Returns the environment variable C<PATH> (or the local platform's equivalent) as a list.

```
@PATH = File::Spec->path();
```

=item join

```
X<join, path>
```

join is the same as catfile.

=item splitpath

```
X<splitpath> X<split, path>
```

Splits a path in to volume, directory, and filename portions. On systems with no concept of volume, returns " for volume.

```
($volume,$directories,$file) =  
    File::Spec->splitpath( $path );  
($volume,$directories,$file)  
=  
    File::Spec->splitpath( $path, $no_file );
```

For systems with no syntax differentiating filenames from directories, assumes that the last file is a path unless C<\$no_file> is true or a trailing separator or F</.> or F</..> is present. On Unix, this means that C<\$no_file> true makes this return (" , \$path, ").

The directory portion may or may not be returned with a trailing '/'.

The results can be passed to L</catpath()> to get back a path equivalent to (usually identical to) the original path.

=item splitdir

```
X<splitdir> X<split, dir>
```

The opposite of L</catdir>.

```
@dirs = File::Spec->splitdir( $directories );
```

C<\$directories> must be only the directory portion of the path on systems that have the concept of a volume or that have path syntax that differentiates files from directories.

Unlike just splitting the directories on the separator, empty directory names (C<">) can be returned, because these are significant on some OSes.

=item catpath()

Takes

volume, directory and file portions and returns an entire path. Under Unix, C<\$volume> is ignored, and directory and file are concatenated. A '/' is inserted if need be. On other OSes, C<\$volume> is significant.

```
$full_path = File::Spec->catpath( $volume, $directory, $file );
```

=item abs2rel

X<abs2rel> X<absolute, path> X<relative, path>

Takes a destination path and an optional base path returns a relative path from the base path to the destination path:

```
$rel_path = File::Spec->abs2rel( $path ) ;  
$rel_path = File::Spec->abs2rel( $path, $base ) ;
```

If C<\$base> is not present or "", then L<Cwd::cwd()|Cwd> is used. If C<\$base> is relative, then it is converted to absolute form using L</rel2abs()>. This means that it is taken to be relative to L<Cwd::cwd()|Cwd>.

On systems with the concept of volume, if C<\$path> and C<\$base> appear to be on two different volumes, we will not attempt to resolve the two paths, and we will instead simply return C<\$path>. Note that previous versions of this module ignored the volume of C<\$base>, which resulted in garbage results part of the time.

On systems that have a grammar that indicates filenames, this ignores the C<\$base> filename as well. Otherwise all path components are assumed to be directories.

If C<\$path> is relative, it is converted to absolute form using L</rel2abs()>. This means that it is taken to be relative to L<Cwd::cwd()|Cwd>.

No checks against the filesystem are made. On VMS, there is interaction with the working environment, as logicals and macros are expanded.

Based on code written by Shigio Yamaguchi.

=item rel2abs()

X<rel2abs> X<absolute, path> X<relative, path>

Converts a relative path to an absolute path.


```
$abs_path = File::Spec->rel2abs( $path ) ;  
$abs_path = File::Spec->rel2abs( $path, $base ) ;
```

If C<\$base> is not present or "", then L<Cwd::cwd()|Cwd> is used. If C<\$base> is relative, then it is converted to absolute form using L</rel2abs()>. This means that it is taken to be relative to L<Cwd::cwd()|Cwd>.

On systems with the concept of volume, if C<\$path> and C<\$base> appear to be on two different volumes, we will not attempt to resolve the two paths, and we will instead simply return C<\$path>. Note that previous versions of this module ignored the volume of C<\$base>, which resulted in garbage results part of the time.

On systems that have a grammar that indicates filenames, this ignores the C<\$base> filename as well. Otherwise all path components are assumed to be directories.

If C<\$path> is absolute, it is cleaned up and returned using L</canonpath>.

No checks against the filesystem are made. On VMS, there is interaction with the working environment, as logicals and macros are expanded.

Based on code written by Shigio Yamaguchi.

=back

For further information, please see L<File::Spec::Unix>, L<File::Spec::Mac>, L<File::Spec::OS2>, L<File::Spec::Win32>, or L<File::Spec::VMS>.

=head1 SEE ALSO

L<File::Spec::Unix>, L<File::Spec::Mac>, L<File::Spec::OS2>, L<File::Spec::Win32>, L<File::Spec::VMS>, L<File::Spec::Functions>, L<ExtUtils::MakeMaker>

=head1 AUTHOR

Currently maintained by Ken Williams C<< <KWILLIAMS@cpan.org> >>.

The vast majority of the code was written by Kenneth Albanowski C<< <kjahds@kjahds.com> >>, Andy Dougherty C<< <doughera@lafayette.edu> >>, Andreas KE<ouml>nig C<< <A.Koenig@franz.ww.TU-Berlin.DE> >>, Tim Bunce C<< <Tim.Bunce@ig.co.uk> >>.

VMS support by Charles Bailey C<<< <bailey@newman.upenn.edu> >>>.
OS/2 support by Ilya Zakharevich C<<< <ilya@math.ohio-state.edu> >>>.
Mac support by Paul Schinder C<<< <schinder@pobox.com> >>>, and
Thomas Wegner C<<< <wegner_thomas@yahoo.com> >>>.
abs2rel() and rel2abs() written by Shigio Yamaguchi C<<< <shigio@tamacom.com> >>>,
modified by Barrie Slaymaker C<<< <barries@slaysys.com> >>>.
splitpath(), splitdir(), catpath() and catdir() by Barrie Slaymaker.

=head1 COPYRIGHT

Copyright (c) 2004-2013 by the Perl 5 Porters. All rights reserved.

This program is free software;
you can redistribute it and/or modify
it under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-
archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

File::Spec::Functions - portably perform operations on file names

=head1 SYNOPSIS

```
use File::Spec::Functions;  
$x = catfile('a','b');
```

=head1 DESCRIPTION

This module exports convenience functions for all of the class methods
provided by File::Spec.

For a reference of available functions, please consult L<File::Spec::Unix>,
which contains the entire set, and which is inherited by the modules for
other platforms. For further information, please see L<File::Spec::Mac>,
L<File::Spec::OS2>, L<File::Spec::Win32>, or L<File::Spec::VMS>.

=head2 Exports

The following functions are exported by default.

```
canonpath  
catdir
```

catfile
curdir
rootdir
updir
no_upwards
file_name_is_absolute
path

The following functions are exported only by request.

devnull
tmpdir
splitpath
splitdir
catpath
abs2rel
rel2abs
case_tolerant

All the functions may be imported using the C<:ALL> tag.

=head1 COPYRIGHT

Copyright

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This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

File::Spec, File::Spec::Unix, File::Spec::Mac, File::Spec::OS2,
File::Spec::Win32, File::Spec::VMS, ExtUtils::MakeMaker

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Functions.pm

No license file was found, but licenses were detected in source scan.

=back

=head1 COPYRIGHT

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This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Please submit bug reports and patches to perlbug@perl.org.

=head1 SEE ALSO

L<File::Spec>

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Unix.pm

No license file was found, but licenses were detected in source scan.

abstract: 'Tools for working with directory and file names'

author:

- 'Perl 5 Porters'

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'

name: PathTools

no_index:

directory:

- t

- inc

requires:

Carp: '0'

File::Basename: '0'

Scalar::Util: '0'

Test::More: '0.88'

resources:

bugtracker: <https://rt.perl.org/rt3/>

homepage: <http://dev.perl.org/>

repository: <git://perl5.git.perl.org/perl.git>

version: '3.74'

x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-  
archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/META.yml
```

No license file was found, but licenses were detected in source scan.

=head1 NAME

File::Spec::OS2 - methods for OS/2 file specs

=head1 SYNOPSIS

require File::Spec::OS2; # Done internally by File::Spec if needed

=head1 DESCRIPTION

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

Amongst the changes made for OS/2 are...

=over 4

=item tmpdir

Modifies the list of places temp directory information is looked for.

```
$ENV{TMPDIR}
```

```
$ENV{TEMP}
```

```
$ENV{TMP}
```

```
/tmp
```

```
/
```

=item splitpath

Volumes can be drive letters or UNC sharenames (\\server\share).

=back

=head1 COPYRIGHT

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=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/OS2.pm
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License: (GPL+ or Artistic) and BSD

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/perl-PathTools.spec

No license file was found, but licenses were detected in source scan.

=head1 NAME

Cwd - get pathname of current working directory

=head1 SYNOPSIS

```
use Cwd;
my $dir = getcwd;

use Cwd 'abs_path';
my $abs_path = abs_path($file);
```

=head1 DESCRIPTION

This module provides functions for determining the pathname of the current working directory. It is recommended that `getcwd` (or another `*cwd()` function) be used in I<all> code to ensure portability.

By default, it exports the functions `cwd()`, `getcwd()`, `fastcwd()`, and `fastgetcwd()` (and, on Win32, `getdcwd()`) into the caller's namespace.

=head2 `getcwd` and friends

Each of these functions are called without arguments and return the absolute path of the current working directory.

=over 4

=item `getcwd`

```
my $cwd = getcwd();
```

Returns the current working directory. On error returns C<undef>, with C<\$!> set to indicate the error.

Exposes the POSIX function `getcwd(3)` or re-implements it if it's not

available.

=item cwd

```
my $cwd = cwd();
```

The `cwd()` is the most natural form for the current architecture. For most systems it is identical to ``pwd`` (but without the trailing line terminator).

=item fastcwd

```
my $cwd = fastcwd();
```

A more dangerous version of `getcwd()`, but potentially faster.

It might conceivably `chdir()` you out of a directory that it can't `chdir()` you back into. If `fastcwd` encounters a problem it will return `undef` but will probably leave you in a different directory. For a measure of extra security, if everything appears to have worked, the `fastcwd()` function will check that it leaves you in the same directory that it started in. If it has changed it will `C<die>` with the message "Unstable directory path, current directory changed unexpectedly". That should never happen.

=item fastgetcwd

```
my $cwd = fastgetcwd();
```

The `fastgetcwd()` function is provided as a synonym for `cwd()`.

=item getdcwd

```
my $cwd = getdcwd();  
my $cwd = getdcwd('C:');
```

The `getdcwd()` function is also provided on Win32 to get the current working directory on the specified drive, since Windows maintains a separate current working directory for each drive. If no drive is specified then the current drive is assumed.

This function simply calls the Microsoft C library `_getdcwd()` function.

=back

=head2 `abs_path` and friends

These functions are exported only on request. They each take a single argument and return the absolute pathname for it. If no argument is given they'll use the current working directory.

=over 4

=item abs_path

```
my $abs_path = abs_path($file);
```

Uses the same algorithm as `getcwd()`. Symbolic links and relative-path components (".", "..") are resolved to return the canonical pathname, just like `realpath(3)`. On error returns `C<undef>`, with `C<$!>` set to indicate the error.

=item realpath

```
my $abs_path = realpath($file);
```

A synonym for `abs_path()`.

=item fast_abs_path

```
my $abs_path = fast_abs_path($file);
```

A more dangerous, but potentially faster version of `abs_path`.

=back

=head2 \$ENV{PWD}

If you ask to override your `chdir()` built-in function,

```
use Cwd qw(chdir);
```

then your `PWD` environment variable will be kept up to date. Note that it will only be kept up to date if all packages which use `chdir` import it from `Cwd`.

=head1 NOTES

=over 4

=item *

Since the path separators are different on some operating systems ('/' on Unix, ':' on MacPerl, etc...) we recommend you use the File::Spec modules wherever portability is a concern.

=item *

Actually, on Mac OS, the C<getcwd()>, C<fastgetcwd()> and C<fastcwd()> functions are all aliases for the C<cwd()> function, which, on Mac OS, calls ``pwd``. Likewise, the C<abs_path()> function is an alias for C<fast_abs_path()>.

=back

=head1 AUTHOR

Originally by the perl5-porters.

Maintained by Ken Williams <KWILLIAMS@cpan.org>

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Portions of the C code in this library are copyright (c) 1994 by the Regents of the University of California. All rights reserved. The license on this code is compatible with the licensing of the rest of the distribution - please see the source code in F<Cwd.xs> for the details.

=head1 SEE ALSO

L<File::chdir>

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/Cwd.pm

No license file was found, but licenses were detected in source scan.

=back

=head1 AUTHORS

See the authors list in I<File::Spec>. Mac OS support by Paul Schinder <schinder@pobox.com> and Thomas Wegner <wegner_thomas@yahoo.com>.

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=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Mac.pm
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=head2 Note For File::Spec::Win32 Maintainers

Novell NetWare inherits its File::Spec behaviour from File::Spec::Win32.

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=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Win32.pm
No license file was found, but licenses were detected in source scan.

=pod

=head1 AUTHOR

o.flebbe@gmx.de

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=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqImf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/Epoc.pm
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=head1 SEE ALSO

See L<File::Spec> and L<File::Spec::Unix>. This package overrides the implementation of these methods, not the semantics.

An explanation of VMS file specs can be found at

L<http://h71000.www7.hp.com/doc/731FINAL/4506/4506pro_014.html#apps_locating_naming_files>.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548107_1591379771.91/0/perl-PathTools-3.74-1.el8.src.rpm-cosi-expand-archive-PySqlmf9/PathTools-3.74.tar.gz-cosi-expand-archive-9rwxdSVg/PathTools-3.74/lib/File/Spec/VMS.pm

1.39 perl-digest-md5 2.55-396.el8

1.39.1 Available under license :

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Network Working Group

R. Rivest

Request for Comments: 1321

MIT Laboratory for Computer Science

and RSA Data Security, Inc.

April 1992

The MD5 Message-Digest Algorithm

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard. Distribution of this memo is unlimited.

Acknowledgements

We would like to thank Don Coppersmith, Burt Kaliski, Ralph Merkle, David Chaum, and Noam Nisan for numerous helpful comments and suggestions.

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1. Executive Summary

This document describes the MD5 message-digest algorithm. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. It is conjectured that it is computationally infeasible to produce two messages having the same message digest, or to produce any message having a given prespecified target message digest. The MD5 algorithm is intended for digital signature applications, where a large file must be "compressed" in a secure manner before being encrypted with a private (secret) key under a public-key cryptosystem such as RSA.

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The MD5 algorithm is designed to be quite fast on 32-bit machines. In addition, the MD5 algorithm does not require any large substitution tables; the algorithm can be coded quite compactly.

The MD5 algorithm is an extension of the MD4 message-digest algorithm [1,2]. MD5 is slightly slower than MD4, but is more "conservative" in design. MD5 was designed because it was felt that MD4 was perhaps being adopted for use more quickly than justified by the existing critical review; because MD4 was designed to be exceptionally fast, it is "at the edge" in terms of risking successful cryptanalytic attack. MD5 backs off a bit, giving up a little in speed for a much greater likelihood of ultimate security. It incorporates some suggestions made by various reviewers, and contains additional optimizations. The MD5 algorithm is being placed in the public domain for review and possible adoption as a standard.

For OSI-based applications, MD5's object identifier is

md5 OBJECT IDENTIFIER ::= iso(1) member-body(2) US(840) rsadsi(113549) digestAlgorithm(2) 5 }

In the X.509 type AlgorithmIdentifier [3], the parameters for MD5 should have type NULL.

2. Terminology and Notation

In this document a "word" is a 32-bit quantity and a "byte" is an eight-bit quantity. A sequence of bits can be interpreted in a natural manner as a sequence of bytes, where each consecutive group of eight bits is interpreted as a byte with the high-order (most significant) bit of each byte listed first. Similarly, a sequence of bytes can be interpreted as a sequence of 32-bit words, where each consecutive group of four bytes is interpreted as a word with the low-order (least significant) byte given first.

Let x_i denote "x sub i". If the subscript is an expression, we surround it in braces, as in x_{i+1} . Similarly, we use $^$ for superscripts (exponentiation), so that x^i denotes x to the i-th power.

Let the symbol "+" denote addition of words (i.e., modulo- 2^{32} addition). Let $X \lll s$ denote the 32-bit value obtained by circularly shifting (rotating) X left by s bit positions. Let not(X) denote the bit-wise complement of X, and let $X \vee Y$ denote the bit-wise OR of X and Y. Let $X \oplus Y$ denote the bit-wise XOR of X and Y, and let XY denote the bit-wise AND of X and Y.

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3. MD5 Algorithm Description

We begin by supposing that we have a b-bit message as input, and that we wish to find its message digest. Here b is an arbitrary nonnegative integer; b may be zero, it need not be a multiple of eight, and it may be arbitrarily large. We imagine the bits of the message written down as follows:

$m_0 m_1 \dots m_{\{b-1\}}$

The following five steps are performed to compute the message digest of the message.

3.1 Step 1. Append Padding Bits

The message is "padded" (extended) so that its length (in bits) is congruent to 448, modulo 512. That is, the message is extended so that it is just 64 bits shy of being a multiple of 512 bits long.

Padding is always performed, even if the length of the message is already congruent to 448, modulo 512.

Padding is performed as follows: a single "1" bit is appended to the message, and then "0" bits are appended so that the length in bits of the padded message becomes congruent to 448, modulo 512. In all, at least one bit and at most 512 bits are appended.

3.2 Step 2. Append Length

A 64-bit representation of b (the length of the message before the padding bits were added) is appended to the result of the previous step. In the unlikely event that b is greater than 2^{64} , then only the low-order 64 bits of b are used. (These bits are appended as two 32-bit words and appended low-order word first in accordance with the previous conventions.)

At this point the resulting message (after padding with bits and with b) has a length that is an exact multiple of 512 bits. Equivalently, this message has a length that is an exact multiple of 16 (32-bit) words. Let $M[0 \dots N-1]$ denote the words of the resulting message, where N is a multiple of 16.

3.3 Step 3. Initialize MD Buffer

A four-word buffer (A,B,C,D) is used to compute the message digest. Here each of A, B, C, D is a 32-bit register. These registers are initialized to the following values in hexadecimal, low-order bytes first):

word A: 01 23 45 67
word B: 89 ab cd ef
word C: fe dc ba 98
word D: 76 54 32 10

3.4 Step 4. Process Message in 16-Word Blocks

We first define four auxiliary functions that each take as input three 32-bit words and produce as output one 32-bit word.

$$F(X,Y,Z) = XY \vee \text{not}(X) Z$$
$$G(X,Y,Z) = XZ \vee Y \text{not}(Z)$$
$$H(X,Y,Z) = X \text{ xor } Y \text{ xor } Z$$
$$I(X,Y,Z) = Y \text{ xor } (X \vee \text{not}(Z))$$

In each bit position F acts as a conditional: if X then Y else Z . The function F could have been defined using $+$ instead of \vee since XY and $\text{not}(X)Z$ will never have 1's in the same bit position.) It is interesting to note that if the bits of X , Y , and Z are independent and unbiased, the each bit of $F(X,Y,Z)$ will be independent and unbiased.

The functions G , H , and I are similar to the function F , in that they act in "bitwise parallel" to produce their output from the bits of X , Y , and Z , in such a manner that if the corresponding bits of X , Y , and Z are independent and unbiased, then each bit of $G(X,Y,Z)$, $H(X,Y,Z)$, and $I(X,Y,Z)$ will be independent and unbiased. Note that the function H is the bit-wise "xor" or "parity" function of its inputs.

This step uses a 64-element table $T[1 \dots 64]$ constructed from the sine function. Let $T[i]$ denote the i -th element of the table, which is equal to the integer part of 4294967296 times $\text{abs}(\sin(i))$, where i is in radians. The elements of the table are given in the appendix.

Do the following:

```
/* Process each 16-word block. */  
For i = 0 to N/16-1 do  
  
  /* Copy block i into X. */  
  For j = 0 to 15 do  
    Set X[j] to M[i*16+j].  
  end /* of loop on j */
```


/* Save A as AA, B as BB, C as CC, and D as DD. */

AA = A

BB = B

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CC = C

DD = D

/* Round

1. */

/* Let [abcd k s i] denote the operation

$a = b + ((a + F(b,c,d) + X[k] + T[i]) \lll s)$. */

/* Do the following 16 operations. */

[ABCD 0 7 1] [DABC 1 12 2] [CDAB 2 17 3] [BCDA 3 22 4]

[ABCD 4 7 5] [DABC 5 12 6] [CDAB 6 17 7] [BCDA 7 22 8]

[ABCD 8 7 9] [DABC 9 12 10] [CDAB 10 17 11] [BCDA 11 22 12]

[ABCD 12 7 13] [DABC 13 12 14] [CDAB 14 17 15] [BCDA 15 22 16]

/* Round 2. */

/* Let [abcd k s i] denote the operation

$a = b + ((a + G(b,c,d) + X[k] + T[i]) \lll s)$. */

/* Do the following 16 operations. */

[ABCD 1 5 17] [DABC 6 9 18] [CDAB 11 14 19] [BCDA 0 20 20]

[ABCD 5 5 21] [DABC 10 9 22] [CDAB 15 14 23] [BCDA 4 20 24]

[ABCD 9 5 25] [DABC 14 9 26] [CDAB 3 14 27] [BCDA 8 20 28]

[ABCD 13 5 29] [DABC 2 9 30] [CDAB 7 14 31] [BCDA 12 20 32]

/* Round 3. */

/* Let [abcd k s t] denote the operation

$a = b + ((a + H(b,c,d)$

$+ X[k] + T[i]) \lll s)$. */

/* Do the following 16 operations. */

[ABCD 5 4 33] [DABC 8 11 34] [CDAB 11 16 35] [BCDA 14 23 36]

[ABCD 1 4 37] [DABC 4 11 38] [CDAB 7 16 39] [BCDA 10 23 40]

[ABCD 13 4 41] [DABC 0 11 42] [CDAB 3 16 43] [BCDA 6 23 44]

[ABCD 9 4 45] [DABC 12 11 46] [CDAB 15 16 47] [BCDA 2 23 48]

/* Round 4. */

/* Let [abcd k s t] denote the operation

$a = b + ((a + I(b,c,d) + X[k] + T[i]) \lll s)$. */

/* Do the following 16 operations. */

[ABCD 0 6 49] [DABC 7 10 50] [CDAB 14 15 51] [BCDA 5 21 52]

[ABCD 12 6 53] [DABC 3 10 54] [CDAB 10 15 55] [BCDA 1 21 56]
[ABCD 8 6 57] [DABC 15 10 58] [CDAB 6 15 59] [BCDA 13 21 60]
[ABCD 4 6 61] [DABC 11 10 62] [CDAB 2 15 63] [BCDA 9 21 64]

/* Then perform the following additions. (That is increment each
of the four registers by the value it had before this block
was started.) */

A = A + AA

B

= B + BB

C = C + CC

D = D + DD

end /* of loop on i */

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3.5 Step 5. Output

The message digest produced as output is A, B, C, D. That is, we begin with the low-order byte of A, and end with the high-order byte of D.

This completes the description of MD5. A reference implementation in C is given in the appendix.

4. Summary

The MD5 message-digest algorithm is simple to implement, and provides a "fingerprint" or message digest of a message of arbitrary length.

It is conjectured that the difficulty of coming up with two messages having the same message digest is on the order of 2^{64} operations, and that the difficulty of coming up with any message having a given message digest is on the order of 2^{128} operations. The MD5 algorithm has been carefully scrutinized for weaknesses. It is, however,

a

relatively new algorithm and further security analysis is of course justified, as is the case with any new proposal of this sort.

5. Differences Between MD4 and MD5

The following are the differences between MD4 and MD5:

1. A fourth round has been added.
2. Each step now has a unique additive constant.
3. The function g in round 2 was changed from $(XY \vee XZ \vee YZ)$ to $(XZ \vee Y \text{ not}(Z))$ to make g less symmetric.
4. Each step now adds in the result of the previous step. This promotes a faster "avalanche effect".
5. The order in which input words are accessed in rounds 2 and 3 is changed, to make these patterns less like each other.
6. The shift amounts in each round have been approximately optimized, to yield a faster "avalanche effect." The shifts in different rounds are distinct.

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MD5 Message-Digest Algorithm

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References

- [1] Rivest, R., "The MD4 Message Digest Algorithm", RFC 1320, MIT and RSA Data Security, Inc., April 1992.
- [2] Rivest, R., "The MD4 message digest algorithm", in A.J. Menezes and S.A. Vanstone, editors, *Advances in Cryptology - CRYPTO '90 Proceedings*, pages 303-311, Springer-Verlag, 1991.
- [3] CCITT Recommendation X.509 (1988), "The Directory - Authentication Framework."

APPENDIX A - Reference Implementation

This appendix contains the following files taken from RSAREF: A Cryptographic Toolkit for Privacy-Enhanced Mail:

global.h -- global header file

md5.h -- header file for MD5

md5c.c -- source code for MD5

For more information on RSAREF, send email to <rsaref@rsa.com>.

The appendix also includes the following file:

mddriver.c -- test driver for MD2, MD4 and MD5

The driver compiles for MD5 by default but can compile for MD2 or MD4 if the symbol MD is defined on the C compiler command line as 2 or 4.

The implementation is portable and should work on many different platforms. However, it is not difficult to optimize the implementation on particular platforms, an exercise left to the reader. For example, on "little-endian" platforms where the lowest-addressed byte in a 32-bit word is the least significant and there are no alignment restrictions, the call to Decode in MD5Transform can be replaced with a typecast.

A.1 global.h

```
/* GLOBAL.H - RSAREF types and constants
*/
```

```
/* PROTOTYPES should be set to one if and only if the compiler supports
function argument prototyping.
```

```
The following makes PROTOTYPES default to 0 if it has not already
```

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```
been defined with C compiler flags.
```

```
*/
```

```
#ifndef PROTOTYPES
```

```
#define PROTOTYPES 0
```

```
#endif
```

```
/* POINTER defines
```

```
a generic pointer type */
typedef unsigned char *POINTER;

/* UINT2 defines a two byte word */
typedef unsigned short int UINT2;

/* UINT4 defines a four byte word */
typedef unsigned long int UINT4;

/* PROTO_LIST is defined depending on how PROTOTYPES is defined above.
If using PROTOTYPES, then PROTO_LIST returns the list, otherwise it
returns an empty list.
*/
#if PROTOTYPES
#define PROTO_LIST(list) list
#else
#define PROTO_LIST(list) ()
#endif
```

A.2 md5.h

```
/* MD5.H - header file for MD5C.C
*/

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rights reserved.
```

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*/

/* MD5 context. */

```
typedef struct {
    UINT4 state[4];          /* state (ABCD) */
    UINT4 count[2];         /* number of bits, modulo 2^64 (lsb first) */
    unsigned char buffer[64]; /* input buffer */
} MD5_CTX;

void MD5Init PROTO_LIST ((MD5_CTX *));
void MD5Update PROTO_LIST
((MD5_CTX *, unsigned char *, unsigned int));
void MD5Final PROTO_LIST ((unsigned char [16], MD5_CTX *));
```

A.3 md5c.c

/* MD5C.C -

RSA Data Security, Inc., MD5 message-digest algorithm

*/

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*/

#include "global.h"

```
#include "md5.h"
```

```
/* Constants for MD5Transform  
routine.  
*/
```

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```
#define S11 7  
#define S12 12  
#define S13 17  
#define S14 22  
#define S21 5  
#define S22 9  
#define S23 14  
#define S24 20  
#define S31 4  
#define S32 11  
#define S33 16  
#define S34 23  
#define S41 6  
#define S42 10  
#define S43 15  
#define S44 21
```

```
static void MD5Transform PROTO_LIST ((UINT4 [4], unsigned char [64]));  
static void Encode PROTO_LIST  
((unsigned char *, UINT4 *, unsigned int));  
static void Decode PROTO_LIST  
((UINT4 *, unsigned char *, unsigned int));  
static void MD5_memcpy PROTO_LIST ((POINTER, POINTER, unsigned int));  
static void MD5_memset PROTO_LIST ((POINTER, int, unsigned int));
```

```
static unsigned char PADDING[64] = {  
0x80, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,  
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,  
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,  
0  
};
```

```
/* F, G, H and I are basic MD5 functions.
```

```
*/  
#define F(x, y, z) (((x) & (y)) | ((~x) & (z)))
```

```

#define G(x, y, z) (((x) & (z)) | ((y) & (~z)))
#define H(x, y, z) ((x) ^ (y) ^ (z))
#define I(x, y, z) ((y) ^ ((x) | (~z)))

/* ROTATE_LEFT rotates x left n bits.
*/
#define ROTATE_LEFT(x, n) (((x) << (n)) | ((x) >> (32-(n))))

/* FF, GG, HH, and II transformations for rounds 1, 2, 3, and 4.
Rotation is separate from addition to prevent recomputation.
*/
#define FF(a, b, c, d, x, s, ac) { \
(a) += F ((b), (c), (d)) + (x) + (UINT4)(ac); \
(a) = ROTATE_LEFT ((a), (s)); \

```

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```

(a) += (b); \
}
#define GG(a, b, c, d, x, s, ac) { \
(a) += G ((b), (c), (d)) + (x) + (UINT4)(ac); \
(a) = ROTATE_LEFT ((a), (s)); \
(a) += (b); \
}
#define HH(a, b, c, d, x, s, ac) { \
(a) += H ((b), (c), (d)) + (x) + (UINT4)(ac); \
(a) = ROTATE_LEFT ((a), \
(s)); \
(a) += (b); \
}
#define II(a, b, c, d, x, s, ac) { \
(a) += I ((b), (c), (d)) + (x) + (UINT4)(ac); \
(a) = ROTATE_LEFT ((a), (s)); \
(a) += (b); \
}

/* MD5 initialization. Begins an MD5 operation, writing a new context.
*/
void MD5Init (context)
MD5_CTX *context; /* context */
{
context->count[0] = context->count[1] = 0;
/* Load magic initialization constants.

```



```

*/
context->state[0] = 0x67452301;
context->state[1] = 0xefcdab89;
context->state[2] = 0x98badcfe;
context->state[3] = 0x10325476;
}

/* MD5 block update operation. Continues an MD5 message-digest
operation, processing another message block, and updating the
context.
*/
void MD5Update (context, input, inputLen)
MD5_CTX *context;          /* context */
unsigned char *input;      /* input block */
unsigned int inputLen;     /* length of input block */
{
    unsigned int i, index, partLen;

    /* Compute number of bytes mod 64 */
    index = (unsigned int)((context->count[0] >> 3) & 0x3F);

    /* Update number of bits */
    if ((context->count[0] += ((UINT4)inputLen << 3))

```

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```

< ((UINT4)inputLen << 3))
context->count[1]++;
context->count[1] += ((UINT4)inputLen >> 29);

partLen = 64 - index;

/* Transform as many times as possible.
*/
if (inputLen >= partLen) {
    MD5_memcpy
        ((POINTER)&context->buffer[index], (POINTER)input, partLen);
    MD5Transform (context->state, context->buffer);

    for (i = partLen; i + 63 < inputLen; i += 64)
        MD5Transform (context->state, &input[i]);

    index = 0;

```

```

}
else
i = 0;

/* Buffer remaining input */
MD5_memcpy
((POINTER)&context->buffer[index], (POINTER)&input[i],
inputLen-i);
}

/* MD5 finalization. Ends an MD5 message-digest operation, writing the
the message digest and
zeroizing the context.
*/
void MD5Final (digest, context)
unsigned char digest[16];          /* message digest */
MD5_CTX *context;                /* context */
{
    unsigned char bits[8];
    unsigned int index, padLen;

    /* Save number of bits */
    Encode (bits, context->count, 8);

    /* Pad out to 56 mod 64.
    */
    index = (unsigned int)((context->count[0] >> 3) & 0x3f);
    padLen = (index < 56) ? (56 - index) : (120 - index);
    MD5Update (context, PADDING, padLen);

    /* Append length (before padding) */
    MD5Update (context, bits, 8);

```

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```

/* Store state in digest */
Encode (digest, context->state, 16);

/* Zeroize sensitive information.
*/
MD5_memset ((POINTER)context, 0, sizeof (*context));
}

```

```

/* MD5 basic transformation. Transforms state based on block.
*/
static void MD5Transform (state, block)
UINT4
state[4];
unsigned char block[64];
{
    UINT4 a = state[0], b = state[1], c = state[2], d = state[3], x[16];

    Decode (x, block, 64);

    /* Round 1 */
    FF (a, b, c, d, x[ 0], S11, 0xd76aa478); /* 1 */
    FF (d, a, b, c, x[ 1], S12, 0xe8c7b756); /* 2 */
    FF (c, d, a, b, x[ 2], S13, 0x242070db); /* 3 */
    FF (b, c, d, a, x[ 3], S14, 0xc1bdceee); /* 4 */
    FF (a, b, c, d, x[ 4], S11, 0xf57c0faf); /* 5 */
    FF (d, a, b, c, x[ 5], S12, 0x4787c62a); /* 6 */
    FF (c, d, a, b, x[ 6], S13, 0xa8304613); /* 7 */
    FF (b, c, d, a, x[ 7], S14, 0xfd469501); /* 8 */
    FF (a, b, c, d, x[ 8], S11, 0x698098d8); /* 9 */
    FF (d, a, b, c, x[ 9], S12, 0x8b44f7af); /* 10 */
    FF (c, d, a, b, x[10], S13, 0xffff5bb1); /* 11 */
    FF (b, c, d, a, x[11], S14, 0x895cd7be); /* 12 */
    FF (a, b, c, d, x[12], S11, 0x6b901122); /* 13 */
    FF (d, a, b, c, x[13], S12, 0xfd987193); /* 14 */
    FF (c, d, a, b, x[14], S13, 0xa679438e); /* 15 */
    FF (b, c, d, a, x[15], S14, 0x49b40821); /* 16 */

    /* Round 2 */
    GG (a, b, c, d, x[ 1], S21, 0xf61e2562); /* 17 */
    GG (d, a, b, c, x[ 6], S22, 0xc040b340); /* 18 */
    GG (c, d, a, b, x[11], S23, 0x265e5a51); /* 19 */
    GG (b, c, d, a, x[ 0], S24, 0xe9b6c7aa); /* 20 */
    GG (a, b, c, d, x[ 5], S21, 0xd62f105d); /* 21 */
    GG (d, a, b, c, x[10], S22, 0x2441453); /* 22 */
    GG (c, d, a, b, x[15], S23, 0xd8a1e681); /* 23 */
    GG (b, c, d, a, x[ 4], S24, 0xe7d3fbc8); /* 24 */
    GG (a, b, c, d, x[ 9], S21, 0x21e1cde6); /* 25 */
    GG (d, a, b, c, x[14], S22, 0xc33707d6); /* 26 */
    GG (c, d, a, b, x[ 3], S23, 0xf4d50d87); /* 27 */

```

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```
GG (b, c, d, a, x[ 8], S24, 0x455a14ed); /* 28 */
GG (a, b, c, d, x[13], S21, 0xa9e3e905); /* 29 */
GG (d, a, b, c, x[ 2], S22, 0xfcefa3f8); /* 30 */
GG (c, d, a, b, x[ 7], S23, 0x676f02d9); /* 31 */
GG (b, c, d, a, x[12], S24, 0x8d2a4c8a); /* 32 */
```

```
/* Round 3
```

```
*/
```

```
HH (a, b, c, d, x[ 5], S31, 0xfffa3942); /* 33 */
HH (d, a, b, c, x[ 8], S32, 0x8771f681); /* 34 */
HH (c, d, a, b, x[11], S33, 0x6d9d6122); /* 35 */
HH (b, c, d, a, x[14], S34, 0xfde5380c); /* 36 */
HH (a, b, c, d, x[ 1], S31, 0xa4beea44); /* 37 */
HH (d, a, b, c, x[ 4], S32, 0x4bdecfa9); /* 38 */
HH (c, d, a, b, x[ 7], S33, 0xf6bb4b60); /* 39 */
HH (b, c, d, a, x[10], S34, 0xebefbc70); /* 40 */
HH (a, b, c, d, x[13], S31, 0x289b7ec6); /* 41 */
HH (d, a, b, c, x[ 0], S32, 0xeeaa127fa); /* 42 */
HH (c, d, a, b, x[ 3], S33, 0xd4ef3085); /* 43 */
HH (b, c, d, a, x[ 6], S34, 0x4881d05); /* 44 */
HH (a, b, c, d, x[ 9], S31, 0xd9d4d039); /* 45 */
HH (d, a, b, c, x[12], S32, 0xe6db99e5); /* 46 */
HH (c, d, a, b, x[15], S33, 0x1fa27cf8); /* 47 */
HH (b, c, d, a, x[ 2], S34, 0xc4ac5665); /* 48 */
```

```
/* Round 4 */
```

```
II (a, b, c, d, x[ 0], S41, 0xf4292244); /* 49 */
```

```
II (d, a, b, c, x[ 7], S42, 0x432aff97); /* 50 */
```

```
II (c, d, a, b, x[14], S43, 0xab9423a7);
```

```
/* 51 */
```

```
II (b, c, d, a, x[ 5], S44, 0xfc93a039); /* 52 */
```

```
II (a, b, c, d, x[12], S41, 0x655b59c3); /* 53 */
```

```
II (d, a, b, c, x[ 3], S42, 0x8f0ccc92); /* 54 */
```

```
II (c, d, a, b, x[10], S43, 0xffeff47d); /* 55 */
```

```
II (b, c, d, a, x[ 1], S44, 0x85845dd1); /* 56 */
```

```
II (a, b, c, d, x[ 8], S41, 0x6fa87e4f); /* 57 */
```

```
II (d, a, b, c, x[15], S42, 0xfe2ce6e0); /* 58 */
```

```
II (c, d, a, b, x[ 6], S43, 0xa3014314); /* 59 */
```

```
II (b, c, d, a, x[13], S44, 0x4e0811a1); /* 60 */
```

```
II (a, b, c, d, x[ 4], S41, 0xf7537e82); /* 61 */
```

```
II (d, a, b, c, x[11], S42, 0xbd3af235); /* 62 */
```

```
II (c, d, a, b, x[ 2], S43, 0x2ad7d2bb); /* 63 */
```

```
II (b, c, d, a, x[ 9], S44, 0xeb86d391); /* 64 */
```

```
state[0] += a;
```

```
state[1] += b;
```

```
state[2] += c;
```

```
state[3] += d;
```

```
/* Zeroize sensitive information.
```

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```
*/
```

```
MD5_memset ((POINTER)x, 0, sizeof (x));
```

```
}
```

```
/* Encodes
```

```
input (UINT4) into output (unsigned char). Assumes len is  
a multiple of 4.
```

```
*/
```

```
static void Encode (output, input, len)
```

```
unsigned char *output;
```

```
UINT4 *input;
```

```
unsigned int len;
```

```
{
```

```
unsigned int i, j;
```

```
for (i = 0, j = 0; j < len; i++, j += 4) {
```

```
output[j] = (unsigned char)(input[i] & 0xff);
```

```
output[j+1] = (unsigned char)((input[i] >> 8) & 0xff);
```

```
output[j+2] = (unsigned char)((input[i] >> 16) & 0xff);
```

```
output[j+3] = (unsigned char)((input[i] >> 24) & 0xff);
```

```
}
```

```
}
```

```
/* Decodes input (unsigned char) into output (UINT4). Assumes len is  
a multiple of 4.
```

```
*/
```

```
static void Decode (output, input, len)
```

```
UINT4 *output;
```

```
unsigned char *input;
```

```
unsigned int len;
```

```
{
```

```
unsigned int i, j;
```

```
for (i = 0, j = 0; j < len; i++, j += 4)
```

```
output[i] = ((UINT4)input[j] | ((UINT4)input[j+1] << 8) |
```

```
((UINT4)input[j+2] << 16) | ((UINT4)input[j+3] << 24);
```

```
}
```

```
/* Note: Replace "for loop" with standard memcpy if possible.
```

```
*/
```

```
static void MD5_memcpy (output, input, len)
```

```
    POINTER output;
```

```
    POINTER input;
```

```
    unsigned
```

```
    int len;
```

```
{
```

```
    unsigned int i;
```

```
    for (i = 0; i < len; i++)
```

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```
output[i] = input[i];
```

```
}
```

```
/* Note: Replace "for loop" with standard memset if possible.
```

```
*/
```

```
static void MD5_memset (output, value, len)
```

```
    POINTER output;
```

```
    int value;
```

```
    unsigned int len;
```

```
{
```

```
    unsigned int i;
```

```
    for (i = 0; i < len; i++)
```

```
        ((char *)output)[i] = (char)value;
```

```
}
```

A.4 mddriver.c

```
/* MDDRIVER.C - test driver for MD2, MD4 and MD5
```

```
*/
```

```
/* Copyright (C) 1990-2, RSA Data Security, Inc. Created 1990. All  
rights reserved.
```

```
RSA Data Security, Inc. makes no representations concerning either  
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```

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```
*/
```

```
/* The following makes
```

```
MD default to MD5 if it has not already been
defined with C compiler flags.
```

```
*/
```

```
#ifndef MD
#define MD MD5
#endif
```

```
#include <stdio.h>
#include <time.h>
#include <string.h>
#include "global.h"
#if MD == 2
#include "md2.h"
#endif
#if MD == 4
```

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```
#include "md4.h"
#endif
#if MD == 5
#include "md5.h"
#endif
```

```
/* Length of test block, number of test blocks.
```

```
*/
```

```
#define TEST_BLOCK_LEN 1000
#define TEST_BLOCK_COUNT 1000
```

```
static void MDString PROTO_LIST ((char *));
static void MDTimeTrial PROTO_LIST ((void));
static void MDTestSuite PROTO_LIST ((void));
static void MDFile PROTO_LIST ((char *));
static void MDFilter PROTO_LIST ((void));
static void MDPrint PROTO_LIST ((unsigned char [16]));
```

```

#if MD == 2
#define MD_CTX MD2_CTX
#define MDInit MD2Init
#define MDUpdate MD2Update
#define MDFinal MD2Final
#endif
#if MD == 4
#define MD_CTX MD4_CTX
#define
  MDInit MD4Init
#define MDUpdate MD4Update
#define MDFinal MD4Final
#endif
#if MD == 5
#define MD_CTX MD5_CTX
#define MDInit MD5Init
#define MDUpdate MD5Update
#define MDFinal MD5Final
#endif

```

/* Main driver.

Arguments (may be any combination):

```

-sstring - digests string
-t      - runs time trial
-x      - runs test script
filename - digests file
(none)  - digests standard input
*/

```

```

int main (argc, argv)
int argc;

```

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```

char *argv[];
{
  int i;

  if (argc > 1)
  for (i = 1; i < argc; i++)
    if (argv[i][0] == '-' && argv[i][1] == 's')
      MDString (argv[i] + 2);
    else if (strcmp (argv[i], "-t") == 0)

```



```

    MDTimeTrial ();
else if (strcmp (argv[i], "-x") == 0)
    MDTestSuite ();
else
    MDFile (argv[i]);
else
MDFilter ();

return (0);
}

/* Digests a string and prints the result.
*/
static void MDString (string)
char
*string;
{
    MD_CTX context;
    unsigned char digest[16];
    unsigned int len = strlen (string);

    MDInit (&context);
    MDUpdate (&context, string, len);
    MDFinal (digest, &context);

    printf ("MD%d (\"%s\") = ", MD, string);
    MDPrint (digest);
    printf ("\n");
}

/* Measures the time to digest TEST_BLOCK_COUNT TEST_BLOCK_LEN-byte
blocks.
*/
static void MDTimeTrial ()
{
    MD_CTX context;
    time_t endTime, startTime;
    unsigned char block[TEST_BLOCK_LEN], digest[16];
    unsigned int i;

```

```

printf
("MD%d time trial. Digesting %d %d-byte blocks ...", MD,
TEST_BLOCK_LEN, TEST_BLOCK_COUNT);

/* Initialize block */
for (i = 0; i < TEST_BLOCK_LEN; i++)
block[i] = (unsigned char)(i & 0xff);

/* Start timer */
time (&startTime);

/* Digest blocks */
MDInit (&context);
for (i = 0; i < TEST_BLOCK_COUNT; i++)
MDUpdate
(&context, block, TEST_BLOCK_LEN);
MDFinal (digest, &context);

/* Stop timer */
time (&endTime);

printf (" done\n");
printf ("Digest = ");
MDPrint (digest);
printf ("\nTime = %ld seconds\n", (long)(endTime-startTime));
printf
("Speed = %ld bytes/second\n",
(long)TEST_BLOCK_LEN * (long)TEST_BLOCK_COUNT/(endTime-startTime));
}

/* Digests a reference suite of strings and prints the results.
*/
static void MDTestSuite ()
{
printf ("MD%d test suite:\n", MD);

MDString ("");
MDString ("a");
MDString ("abc");
MDString ("message digest");
MDString ("abcdefghijklmnopqrstuvwxy");
MDString
("ABCDEFGHJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxy0123456789");
MDString
("1234567890123456789012345678901234567890\
1234567890123456789012345678901234567890");
}

```

```
/* Digests a file and prints the result.
```

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```
*/
static
void MDFile (filename)
char *filename;
{
    FILE *file;
    MD_CTX context;
    int len;
    unsigned char buffer[1024], digest[16];

    if ((file = fopen (filename, "rb")) == NULL)
        printf ("%s can't be opened\n", filename);

    else {
        MDInit (&context);
        while (len = fread (buffer, 1, 1024, file))
            MDUpdate (&context, buffer, len);
        MDFinal (digest, &context);

        fclose (file);

        printf ("MD%d (%s) = ", MD, filename);
        MDPrint (digest);
        printf ("\n");
    }
}

/* Digests the standard input and prints the result.
*/
static void MDFilter ()
{
    MD_CTX context;
    int len;
    unsigned char buffer[16], digest[16];

    MDInit (&context);
    while (len = fread (buffer, 1, 16, stdin))
        MDUpdate (&context, buffer, len);
    MDFinal (digest, &context);
```

```

MDPrint (digest);
printf ("\n");
}

/* Prints a message digest in hexadecimal.
*/
static void MDPrint (digest)
unsigned char digest[16];
{

```

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```

unsigned int i;

for (i = 0; i < 16; i++)
printf ("%02x", digest[i]);
}

```

A.5 Test suite

The MD5 test suite (driver option "-x") should print the following results:

```

MD5 test suite:
MD5 ("") = d41d8cd98f00b204e9800998ecf8427e
MD5 ("a") = 0cc175b9c0f1b6a831c399e269772661
MD5 ("abc") = 900150983cd24fb0d6963f7d28e17f72
MD5 ("message digest") = f96b697d7cb7938d525a2f31aaf161d0
MD5 ("abcdefghijklmnopqrstuvwxyz") = c3fcd3d76192e4007dfb496cca67e13b
MD5 ("ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789") =
d174ab98d277d9f5a5611c2c9f419d9f
MD5 ("123456789012345678901234567890123456789012345678901234567890123456
78901234567890") = 57edf4a22be3c955ac49da2e2107b67a

```

Security Considerations

The level of security discussed in this memo is considered to be sufficient for implementing very high security hybrid digital-signature schemes based on MD5 and a public-key cryptosystem.

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548130_1591379411.76/0/perl-Digest-MD5-2.55-396.el8.src.rpm-cosi-  
expand-archive-qfwrDrJx/Digest-MD5-2.55.tar.gz-cosi-expand-archive-xOrAnhrN/Digest-MD5-2.55/rfc1321.txt
```

No license file was found, but licenses were detected in source scan.

=head1 NAME

Digest::MD5 - Perl interface to the MD5 Algorithm

=head1 SYNOPSIS

Functional style

```
use Digest::MD5 qw(md5 md5_hex md5_base64);
```

```
$digest = md5($data);
```

```
$digest = md5_hex($data);
```

```
$digest = md5_base64($data);
```

OO style

```
use Digest::MD5;
```

```
$ctx = Digest::MD5->new;
```

```
$ctx->add($data);  
$ctx->addfile($file_handle);
```

```
$digest = $ctx->digest;  
$digest = $ctx->hexdigest;  
$digest = $ctx->b64digest;
```

=head1 DESCRIPTION

The C<Digest::MD5> module allows you to use the RSA Data Security Inc. MD5 Message Digest algorithm from within Perl programs. The algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input.

Note that the MD5 algorithm is not as strong as it used to be. It has since 2005 been easy to generate different messages that produce the same MD5 digest. It still seems hard to generate messages that produce a given digest, but it is probably wise to move to stronger algorithms for applications that depend on the digest to uniquely identify a message.

The C<Digest::MD5> module provide a procedural interface for simple use, as well as an object oriented interface that can handle messages of arbitrary length and which can read files directly.

=head1 FUNCTIONS

The following functions are provided by the C<Digest::MD5> module. None of these functions are exported by default.

=over 4

=item md5(\$data,...)

This function will concatenate all arguments, calculate the MD5 digest of this "message", and return it in binary form. The returned string will be 16 bytes long.

The result of md5("a", "b", "c") will be exactly the same as the result of md5("abc").

=item md5_hex(\$data,...)

Same as md5(), but will return the digest in hexadecimal form. The length of the returned string will be 32 and it will only contain characters from this set: '0'..'9' and 'a'..'f'.

```
=item md5_base64($data,...)
```

Same as `md5()`,

but will return the digest as a base64 encoded string.

The length of the returned string will be 22 and it will only contain characters from this set: 'A'..'Z', 'a'..'z', '0'..'9', '+' and '/'.

Note that the base64 encoded string returned is not padded to be a multiple of 4 bytes long. If you want interoperability with other base64 encoded md5 digests you might want to append the redundant string "==" to the result.

```
=back
```

```
=head1 METHODS
```

The object oriented interface to C<Digest::MD5> is described in this section. After a C<Digest::MD5> object has been created, you will add data to it and finally ask for the digest in a suitable format. A single object can be used to calculate multiple digests.

The following methods are provided:

```
=over 4
```

```
=item $md5 = Digest::MD5->new
```

The constructor returns a new C<Digest::MD5> object which encapsulate the state of the MD5 message-digest algorithm.

If called as an instance method (i.e. `$md5->new`) it will just reset the state the object to the state of a newly created object. No new object is created in this case.

```
=item $md5->reset
```

This is just an alias for `$md5->new`.

```
=item $md5->clone
```

This a copy of the `$md5` object. It is useful when you do not want to destroy the digests state, but need an intermediate value of the digest, e.g. when calculating digests iteratively on a continuous data stream. Example:

```
my $md5 = Digest::MD5->new;
```

```

while (<>) {
$md5->add($_);
print "Line $.: ", $md5->clone->hexdigest, "\n";
}

```

```
=item $md5->add($data,...)
```

The \$data provided as argument are appended to the message we calculate the digest for. The return value is the \$md5 object itself.

All these lines will have the same effect on the state of the \$md5 object:

```

$md5->add("a"); $md5->add("b"); $md5->add("c");
$md5->add("a")->add("b")->add("c");
$md5->add("a", "b", "c");
$md5->add("abc");

```

```
=item $md5->addfile($io_handle)
```

The \$io_handle will be read until EOF and its content appended to the message we calculate the digest for. The return value is the \$md5 object itself.

The addfile() method will croak() if it fails reading data for some reason. If it croaks it is unpredictable what the state of the \$md5 object will be in. The addfile() method might have been able to read the file partially before it failed. It is probably wise to discard or reset the \$md5 object if this occurs.

In most cases you want to make sure that the \$io_handle is in C<binmode> before you pass it as argument to the addfile() method.

```
=item $md5->add_bits($data, $nbits)
```

```
=item $md5->add_bits($bitstring)
```

Since the MD5 algorithm is byte oriented you might only add bits as multiples of 8, so you probably want to just use add() instead. The add_bits() method is provided for compatibility with other digest implementations. See L<Digest> for description of the arguments that add_bits() take.

```
=item $md5->digest
```

Return the binary digest for the message. The returned string will be 16 bytes long.

Note that the `C<digest>` operation is effectively a destructive, read-once operation. Once it has been performed, the `C<Digest::MD5>` object is automatically `C<reset>` and can be used to calculate another digest value. Call `$md5->clone->digest` if you want to calculate the digest without resetting the digest state.

=item `$md5->hexdigest`

Same as `$md5->digest`, but will return the digest in hexadecimal form. The length of the returned string will be 32 and it will only contain characters from this set: `'0'..'9'` and `'a'..'f'`.

=item `$md5->b64digest`

Same as `$md5->digest`, but will return the digest as a base64 encoded string. The length of the returned string will be 22 and it will only contain characters from this set: `'A'..'Z'`, `'a'..'z'`, `'0'..'9'`, `'+' and '/'.`

The base64 encoded string returned is not padded to be a multiple of 4 bytes long. If you want interoperability with other base64 encoded md5 digests you might want to append the string `"=="` to the result.

=item `@ctx = $md5->context`

=item `$md5->context(@ctx)`

Saves

or restores the internal state. When called with no arguments, returns a 3-element list: number of blocks processed, a 16-byte internal state buffer, then up to 63 bytes of unprocessed data. When passed those same arguments, restores the state. This is only useful for specialised operations.

=back

=head1 EXAMPLES

The simplest way to use this library is to import the `md5_hex()` function (or one of its cousins):

```
use Digest::MD5 qw(md5_hex);
print "Digest is ", md5_hex("foobarbaz"), "\n";
```

The above example would print out the message:

```
Digest is 6df23dc03f9b54cc38a0fc1483df6e21
```

The same checksum can also be calculated in OO style:

```
use Digest::MD5;

$md5 = Digest::MD5->new;
$md5->add('foo', 'bar');
$md5->add('baz');
$digest = $md5->hexdigest;

print "Digest is $digest\n";
```

With OO style, you can break the message arbitrarily. This means that we are no longer limited to have space for the whole message in memory, i.e. we can handle messages of any size.

This is useful when calculating checksum for files:

```
use Digest::MD5;

my $filename = shift || "/etc/passwd";
open (my $fh, '<', $filename) or die "Can't open '$filename': $!";
binmode($fh);

$md5 = Digest::MD5->new;
while (<$fh>) {
    $md5->add($_);
}
close($fh);
print $md5->b64digest, " $filename\n";
```

Or we can use the `addfile` method for more efficient reading of the file:

```
use Digest::MD5;

my $filename = shift || "/etc/passwd";
open (my $fh, '<', $filename) or die "Can't open '$filename': $!";
binmode ($fh);

print Digest::MD5->new->addfile($fh)->hexdigest, " $filename\n";
```

Since the MD5 algorithm is only defined for strings of bytes, it can not be used on strings that contains chars with ordinal number above 255 (Unicode

strings). The MD5 functions and methods will croak if you try to feed them such input data:

```
use Digest::MD5 qw(md5_hex);

my $str = "abc\x{300}";

print md5_hex($str), "\n"; # croaks
# Wide character in subroutine entry
```

What you can do is calculate the MD5 checksum of the UTF-8 representation of such strings. This is achieved by filtering the string through `encode_utf8()` function:

```
use Digest::MD5 qw(md5_hex);
use Encode qw(encode_utf8);

my $str = "abc\x{300}";
print md5_hex(encode_utf8($str)), "\n";
# 8c2d46911f3f5a326455f0ed7a8ed3b3
```

=head1 SEE ALSO

L<Digest>,
L<Digest::MD2>,
L<Digest::SHA>,
L<Digest::HMAC>

L<md5sum(1)>

RFC 1321

<http://en.wikipedia.org/wiki/MD5>

The paper "How to Break MD5 and Other Hash Functions" by Xiaoyun Wang and Hongbo Yu.

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=over 4

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The original C<MD5> interface was written by Neil Winton (C<N.Winton@axion.bt.co.uk>).

The C<Digest::MD5> module is written by Gisle Aas <gisle@ActiveState.com>.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548130_1591379411.76/0/perl-Digest-MD5-2.55-396.e18.src.rpm-cosi-expand-archive-qfwrDrJx/Digest-MD5-2.55.tar.gz-cosi-expand-archive-xOrAnhrN/Digest-MD5-2.55/MD5.pm

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abstract: 'Perl interface to the MD-5 algorithm'

author:

- 'Gisle Aas <gisle@activestate.com>'

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150001'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'

name: Digest-MD5

no_index:

directory:

- t

- inc

requires:

Digest::base: '1.00'

XSLoader: '0'

perl: '5.006'

resources:

repository: <https://github.com/gisle/digest-md5>

version: '2.55'

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* /opt/ws_local/PERMITS_SQL/1009548130_1591379411.76/0/perl-Digest-MD5-2.55-396.el8.src.rpm-cosi-expand-archive-qfwrDrJx/Digest-MD5-2.55.tar.gz-cosi-expand-archive-xOrAnhrN/Digest-MD5-2.55/META.yml
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1.41 perl-http-tiny 0.074-1.el8

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The End

1.42 perl-parent 0.237-1.el8

1.42.1 Available under license :

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548129_1591379747.05/0/perl-parent-0.237-1.el8.src.rpm-cosi-expand-archive-Q995NCX6/perl-parent.spec

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abstract: 'Establish an ISA relationship with base classes at compile time'

author:

- 'Max Maischein <corion@cpan.org>'


```
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.34, CPAN::Meta::Converter version 2.150005'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: parent
no_index:
  directory:
    - t
    - inc
requires:
  Test::More: '0.4'
  perl: '5.006'
resources:
  repository: https://github.com/Corion/parent
  version: '0.237'
  x_serialization_backend: 'CPAN::Meta::YAML version 0.018'
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548129_1591379747.05/0/perl-parent-0.237-1.el8.src.rpm-cosi-expand-
archive-Q995NCX6/parent-0.237.tar.gz-cosi-expand-archive-VnAWPUBe/parent-0.237/META.yml
```

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=encoding utf8

=head1 NAME

parent - Establish an ISA relationship with base classes at compile time

=head1 SYNOPSIS

```
package Baz;
use parent qw(Foo Bar);
```

=head1 DESCRIPTION

Allows you to both load one or more modules, while setting up inheritance from those modules at the same time. Mostly similar in effect to

```
package Baz;
BEGIN {
  require Foo;
  require Bar;
```

```
    push @ISA, qw(Foo Bar);
}
```

By default, every base class needs to live in a file of its own.

If you want to have a subclass and its parent class in the same file, you can tell C<parent> not to load any modules by using the C<-norequire> switch:

```
package Foo;
sub exclaim { "I CAN HAS PERL" }

package DoesNotLoadFooBar;
use parent -norequire, 'Foo', 'Bar';
# will not go looking for Foo.pm or Bar.pm
```

This is equivalent to the following code:

```
package Foo;
sub exclaim { "I CAN HAS PERL" }

package DoesNotLoadFooBar;
push @DoesNotLoadFooBar::ISA, 'Foo', 'Bar';
```

This is also helpful for the case where a package lives within a differently named file:

```
package MyHash;
use Tie::Hash;
use parent -norequire, 'Tie::StdHash';
```

This is equivalent to the following code:

```
package MyHash;
require Tie::Hash;
push @ISA, 'Tie::StdHash';
```

If you want to load a subclass from a file that C<require> would not consider an eligible filename (that is, it does not end in either C<.pm> or C<.pmc>), use the following code:

```
package MySecondPlugin;
require './plugins/custom.plugin'; # contains Plugin::Custom
use parent -norequire, 'Plugin::Custom';
```

=head1 HISTORY

This module was forked from L<base> to remove the cruft that had accumulated in it.

=head1 CAVEATS

=head1 SEE ALSO

L<base>

=head1 AUTHORS AND CONTRIBUTORS

Rafaël Garcia-Suarez, Bart Lateur, Max Maischein, Anno Siegel, Michael Schwern

=head1 MAINTAINER

Max Maischein C< corion@cpan.org >

Copyright (c) 2007-2017 Max Maischein

C<< <corion@cpan.org> >>

Based on the idea of C<base.pm>, which was introduced with Perl 5.004_04.

=head1 LICENSE

This module is released under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548129_1591379747.05/0/perl-parent-0.237-1.el8.src.rpm-cosi-expand-archive-Q995NCX6/parent-0.237.tar.gz-cosi-expand-archive-VnAWPUBE/parent-0.237/lib/parent.pm

1.43 perl-encode 2.97-3.el8

1.43.1 Available under license :

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L<http://www.perlfoundation.org/artistic_license_2_0>

1.44 perl-threads-shared 1.58-2.el8

1.44.1 Available under license :

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```
/* shared.xs
*
* Copyright (c) 2001-2002, 2006 Larry Wall
*
```

* You may distribute under the terms of either the GNU General Public
* License or the Artistic License, as specified in the README file.
*
* "Hand any two wizards a piece of rope and they would instinctively pull in
* opposite directions."
* --Sourcery
*
* Contributed by Artur Bergman <sky AT crucially DOT net>
* Pulled in the (an)other direction by Nick Ing-Simmons
* <nick AT ing-simmons DOT net>
* CPAN version produced by Jerry D. Hedden <jdhedden AT cpan DOT org>
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548094_1591901909.08/0/perl-threads-shared-1.58-2.el8.src.rpm-cosi-
expand-archive-r04CR9IQ/threads-shared-1.58.tar.gz-cosi-expand-archive-XH2RZBES/threads-shared-
1.58/shared.xs

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/*

ppport.h -- Perl/Pollution/Portability Version 3.19

Automatically created by Devel::PPPport running under perl 5.010000.

Do NOT edit this file directly! -- Edit PPPport_pm.PL and the
includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.19

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--version show version

 --patch=file write one patch file with changes
 --copy=suffix write changed copies with suffix
 --diff=program use diff program and options

 --compat-version=version
 provide compatibility with Perl version
 --cplusplus accept C++ comments

 --quiet don't output anything except fatal errors
 --nodiag don't show diagnostics
 --nohints don't show hints
 --nochanges don't suggest changes
 --nofilter don't filter input files

 --strip strip all script and doc functionality from
 ppport.h

 --list-provided list provided API
 --list-unsupported list unsupported API
 --api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.10.0.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automagially add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

```
=head2 --diff=I<program>
```

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

```
=head2 --compat-version=I<version>
```

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003.

You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

```
=head2 --cplusplus
```

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

```
=head2 --quiet
```

Be quiet. Don't print anything except fatal errors.

```
=head2 --nodiag
```

Don't output any diagnostic messages. Only portability alerts will be printed.

```
=head2 --nohints
```

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

```
=head2 --nochanges
```

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>.

This

reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>.

If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across

differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

```
perl ppport.h --list-provided
```

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether your module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

Function / Variable	Static Request	Global Request
---------------------	----------------	----------------

```

-----
PL_parser          NEED_PL_parser      NEED_PL_parser_GLOBAL
PL_signals        NEED_PL_signals     NEED_PL_signals_GLOBAL
eval_pv()         NEED_eval_pv        NEED_eval_pv_GLOBAL
grok_bin()        NEED_grok_bin       NEED_grok_bin_GLOBAL
grok_hex()        NEED_grok_hex       NEED_grok_hex_GLOBAL
grok_number()     NEED_grok_number    NEED_grok_number_GLOBAL
grok_numeric_radix() NEED_grok_numeric_radix NEED_grok_numeric_radix_GLOBAL
grok_oct()        NEED_grok_oct       NEED_grok_oct_GLOBAL
load_module()     NEED_load_module    NEED_load_module_GLOBAL
my_snprintf()     NEED_my_snprintf    NEED_my_snprintf_GLOBAL
my_sprintf()      NEED_my_sprintf     NEED_my_sprintf_GLOBAL
my_strlcat()      NEED_my_strlcat     NEED_my_strlcat_GLOBAL
my_strlcpy()      NEED_my_strlcpy     NEED_my_strlcpy_GLOBAL
newCONSTSUB()    NEED_newCONSTSUB    NEED_newCONSTSUB_GLOBAL
newRV_noinc()    NEED_newRV_noinc    NEED_newRV_noinc_GLOBAL
newSV_type()     NEED_newSV_type     NEED_newSV_type_GLOBAL
newSVpvn_flags() NEED_newSVpvn_flags NEED_newSVpvn_flags_GLOBAL
newSVpvn_share() NEED_newSVpvn_share NEED_newSVpvn_share_GLOBAL
pv_display()     NEED_pv_display     NEED_pv_display_GLOBAL
pv_escape()      NEED_pv_escape      NEED_pv_escape_GLOBAL
pv_pretty()      NEED_pv_pretty      NEED_pv_pretty_GLOBAL
sv_2pv_flags()  NEED_sv_2pv_flags   NEED_sv_2pv_flags_GLOBAL
sv_2pvbyte()    NEED_sv_2pvbyte     NEED_sv_2pvbyte_GLOBAL
sv_catpvf_mg()   NEED_sv_catpvf_mg   NEED_sv_catpvf_mg_GLOBAL
sv_catpvf_mg_nocontext() NEED_sv_catpvf_mg_nocontext NEED_sv_catpvf_mg_nocontext_GLOBAL
sv_pvn_force_flags() NEED_sv_pvn_force_flags NEED_sv_pvn_force_flags_GLOBAL
sv_setpvf_mg()   NEED_sv_setpvf_mg   NEED_sv_setpvf_mg_GLOBAL
NEED_sv_setpvf_mg_GLOBAL
sv_setpvf_mg_nocontext() NEED_sv_setpvf_mg_nocontext NEED_sv_setpvf_mg_nocontext_GLOBAL
vload_module()   NEED_vload_module   NEED_vload_module_GLOBAL
vnewSVpvf()      NEED_vnewSVpvf     NEED_vnewSVpvf_GLOBAL
warner()         NEED_warner         NEED_warner_GLOBAL

```

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the `C<DPPP_NAMESPACE>` macro. Just `C<#define>` the macro before including `C<ppport.h>`:

```

#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"

```

The default namespace is `C<DPPP_>`.

=back

The good thing is that most of the above can be checked by running `F<ppport.h>` on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether `F<ppport.h>` is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, `F<ppport.h>` can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different `C<diff>` program or options, using the `C<--diff>` option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

```
perl ppport.h --copy=.new
```

To display portability information for the `C<newSVpv>` function, use:

```
perl ppport.h --api-info=newSVpv
```

Since the argument to `C<--api-info>` can be a regular expression, you can use

```
perl ppport.h --api-info=/_nomg$/
```

to display portability information for all C<_nomg> functions or

```
perl ppport.h --api-info=../
```

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPport> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPport> and is causing failure of this module, please file a bug report using the CPAN Request Tracker at L<<http://rt.cpan.org/>>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item

5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPport> module from CPAN.

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=head1 SEE ALSO

See L<Devel::PPort>.

=cut

use strict;

Disable broken TRIE-optimization

BEGIN { eval '\${RE_TRIE_MAXBUF} = -1' if \$] >= 5.009004 && \$] <= 5.009005 }

my \$VERSION = 3.19;

```
my %opt = (
  quiet  => 0,
  diag   => 1,
  hints  => 1,
  changes => 1,
  cplusplus => 0,
  filter => 1,
  strip  => 0,
  version => 0,
);
```

```
my($ppport) = $0 =~ /([\w.]+)/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[\t]";          # horizontal whitespace
```

Never use C comments in this file!

```
my $ccs = '!.*';
my
  $cce = '*!./';
my $rcs = quotemeta $ccs;
my $rce = quotemeta $cce;
```

```
eval {
  require Getopt::Long;
```

```

Getopt::Long::GetOptions(\%opt, qw(
  help quiet diag! filter! hints! changes! cplusplus strip version
  patch=s copy=s diff=s compat-version=s
  list-provided list-unsupported api-info=s
)) or usage();
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
  die "Getopt::Long not found. Please don't use any options.\n";
}

if ($opt{version}) {
  print "This is $0 $VERSION.\n";
  exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
  my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
  if ($@) {
    die "Invalid version number format: '$opt{'compat-version'}'\n";
  }
  die "Only Perl 5 is supported\n" if $r != 5;
  die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
  $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
  $opt{'compat-version'} = 5;
}

my
%API = map { /^(\w+)\|([^\|]*)\|([^\|]*)\|(\w*)$/
  ? ( $1 => {
    ($2      ? ( base   => $2 ) : ()),
    ($3      ? ( todo   => $3 ) : ()),
    (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
    (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
    (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),
  } )
  : die "invalid spec: $_" } qw(
AvFILLp|5.004050||p
AvFILL|||
CLASS|||n
CPERLscope|5.005000||p
CX_CURPAD_SAVE|||

```


CX_CURPAD_SV|||
CopFILEAV|5.006000||p
CopFILEGV_set|5.006000||p
CopFILEGV|5.006000||p
CopFILESV|5.006000||p
CopFILE_set|5.006000||p
CopFILE|5.006000||p
CopSTASHPV_set|5.006000||p
CopSTASHPV|5.006000||p
CopSTASH_eq|5.006000||p
CopSTASH_set|5.006000||p
CopSTASH|5.006000||p
CopyD|5.009002||p
Copy|||
CvPADLIST|||
CvSTASH|||
CvWEAKOUTSIDE|||
DEFSV_set|5.011000||p
DEFSV|5.004050||p
END_EXTERN_C|5.005000||p
ENTER|||
ERRSV|5.004050||p
EXTEND|||
EXTERN_C|5.005000||p
F0convert|||n
FREEMPS|||
GIMME_V||5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002||p
G_ARRAY|||
G_DISCARD|||
G_EVAL|||
G_METHOD|5.006001||p
G_NOARGS|||
G_SCALAR|||
G_VOID||5.004000|
GetVars|||
GvSVn|5.009003||p
GvSV|||
Gv_AMupdate|||
HEf_SVKEY||5.004000|
HeHASH||5.004000|
HeKEY||5.004000|
HeKLEN||5.004000|
HePV||5.004000|
HeSVKEY_force||5.004000|
HeSVKEY_set||5.004000|
HeSVKEY||5.004000|

HeUTF8|5.011000|
HeVAL|5.004000|
HvNAMELEN_get|5.009003||p
HvNAME_get|5.009003||p
HvNAME|||
INT2PTR|5.006000||p
IN_LOCALE_COMPILETIME|5.007002||p
IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002||p
IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
IVSIZE|5.006000||p
IVTYPE|5.006000||p
IVdf|5.006000||p
LEAVE|||
LVRET|||
MARK|||
MULTICALL|5.011000|
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002||p
Move|||
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav|||
Nullch|||
Nullcv|||
Nullhv|||
Nullsv|||
ORIGMARK|||
PAD_BASE_SV|||
PAD_CLONE_VARS|||
PAD_COMPNAME_FLAGS|||
PAD_COMPNAME_GEN_set|||
PAD_COMPNAME_GEN|||

PAD_COMPNAME_OURSTASH|||
PAD_COMPNAME_PV|||
PAD_COMPNAME_TYPE|||
PAD_DUP|||
PAD_RESTORE_LOCAL|||
PAD_SAVE_LOCAL|||
PAD_SAVE_SETNULLPAD|||
PAD_SETSV|||
PAD_SET_CUR_NOSAVE|||
PAD_SET_CUR|||
PAD_SV1|||
PAD_SV|||
PERLIO_FUNCS_CAST|5.009003||p
PERLIO_FUNCS_DECL|5.009003||p
PERL_ABS|5.008001||p
PERL_BCDVERSION|5.011000||p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001||p
PERL_HASH|5.004000||p
PERL_INT_MAX|5.004000||p
PERL_INT_MIN|5.004000||p
PERL_LONG_MAX|5.004000||p
PERL_LONG_MIN|5.004000||p
PERL_MAGIC_arylen|5.007002||p
PERL_MAGIC_backref|5.007002||p
PERL_MAGIC_bm|5.007002||p
PERL_MAGIC_collxfrm|5.007002||p
PERL_MAGIC_dbfile|5.007002||p
PERL_MAGIC_dbline|5.007002||p
PERL_MAGIC_defelem|5.007002||p
PERL_MAGIC_envelem|5.007002||p
PERL_MAGIC_env|5.007002||p
PERL_MAGIC_ext|5.007002||p
PERL_MAGIC_fm|5.007002||p
PERL_MAGIC_glob|5.011000||p
PERL_MAGIC_isaelem|5.007002||p
PERL_MAGIC_isa|5.007002||p
PERL_MAGIC_mutex|5.011000||p
PERL_MAGIC_nkeys|5.007002||p
PERL_MAGIC_overload_elem|5.007002||p
PERL_MAGIC_overload_table|5.007002||p
PERL_MAGIC_overload|5.007002||p
PERL_MAGIC_pos|5.007002||p
PERL_MAGIC_qr|5.007002||p
PERL_MAGIC_regdata|5.007002||p
PERL_MAGIC_regdatum|5.007002||p
PERL_MAGIC_regex_global|5.007002||p
PERL_MAGIC_shared_scalar|5.007003||p
PERL_MAGIC_shared|5.007003||p

PERL_MAGIC_sigelem|5.007002||p
PERL_MAGIC_sig|5.007002||p
PERL_MAGIC_substr|5.007002||p
PERL_MAGIC_sv|5.007002||p
PERL_MAGIC_taint|5.007002||p
PERL_MAGIC_tiedelem|5.007002||p
PERL_MAGIC_tiedscalar|5.007002||p
PERL_MAGIC_tied|5.007002||p
PERL_MAGIC_utf8|5.008001||p
PERL_MAGIC_uvar_elem|5.007003||p
PERL_MAGIC_uvar|5.007002||p
PERL_MAGIC_vec|5.007002||p
PERL_MAGIC_vstring|5.008001||p
PERL_PV_ESCAPE_ALL|5.009004||p
PERL_PV_ESCAPE_FIRSTCHAR|5.009004||p
PERL_PV_ESCAPE_NOBACKSLASH|5.009004||p
PERL_PV_ESCAPE_NOCLEAR|5.009004||p
PERL_PV_ESCAPE_QUOTE|5.009004||p
PERL_PV_ESCAPE_RE|5.009005||p
PERL_PV_ESCAPE_UNI_DETECT|5.009004||p
PERL_PV_ESCAPE_UNI|5.009004||p
PERL_PV_PRETTY_DUMP|5.009004||p
PERL_PV_PRETTY_ELLIPSES|5.010000||p
PERL_PV_PRETTY_LTGT|5.009004||p
PERL_PV_PRETTY_NOCLEAR|5.010000||p
PERL_PV_PRETTY_QUOTE|5.009004||p
PERL_PV_PRETTY_REGPROP|5.009004||p
PERL_QUAD_MAX|5.004000||p
PERL_QUAD_MIN|5.004000||p
PERL_REVISION|5.006000||p
PERL_SCAN_ALLOW_UNDERSCORES|5.007003||p
PERL_SCAN_DISALLOW_PREFIX|5.007003||p
PERL_SCAN_GREATER_THAN_UV_MAX|5.007003||p
PERL_SCAN_SILENT_ILLDIGIT|5.008001||p
PERL_SHORT_MAX|5.004000||p
PERL_SHORT_MIN|5.004000||p
PERL_SIGNALS_UNSAFE_FLAG|5.008001||p
PERL_SUBVERSION|5.006000||p
PERL_SYS_INIT3|5.006000|
PERL_SYS_INIT||
PERL_SYS_TERM||5.011000|
PERL_UCHAR_MAX|5.004000||p
PERL_UCHAR_MIN|5.004000||p
PERL_UINT_MAX|5.004000||p
PERL_UINT_MIN|5.004000||p
PERL_ULONG_MAX|5.004000||p
PERL_ULONG_MIN|5.004000||p
PERL_UNUSED_ARG|5.009003||p

PERL_UNUSED_CONTEXT|5.009004||p
PERL_UNUSED_DECL|5.007002||p
PERL_UNUSED_VAR|5.007002||p
PERL_UQUAD_MAX|5.004000||p
PERL_UQUAD_MIN|5.004000||p
PERL_USE_GCC_BRACE_GROUPS|5.009004||p
PERL_USHORT_MAX|5.004000||p
PERL_USHORT_MIN|5.004000||p
PERL_VERSION|5.006000||p
PL_DBsignal|5.005000||p
PL_DBsingle|||pn
PL_DBsub|||pn
PL_DBtrace|||pn
PL_Sv|5.005000||p
PL_bufend|5.011000||p
PL_bufptr|5.011000||p
PL_compiling|5.004050||p
PL_copline|5.011000||p
PL_curcop|5.004050||p
PL_curstash|5.004050||p
PL_debstash|5.004050||p
PL_defgv|5.004050||p
PL_diehook|5.004050||p
PL_dirty|5.004050||p
PL_dowarn|||pn
PL_errgv|5.004050||p
PL_error_count|5.011000||p
PL_expect|5.011000||p
PL_hexdigit|5.005000||p
PL_hints|5.005000||p
PL_in_my_stash|5.011000||p
PL_in_my|5.011000||p
PL_last_in_gv|||n
PL_laststatval|5.005000||p
PL_lex_state|5.011000||p
PL_lex_stuff|5.011000||p
PL_linestr|5.011000||p
PL_modglobal||5.005000|n
PL_na|5.004050||pn
PL_no_modify|5.006000||p
PL_ofsgv|||n
PL_parser|5.009005||p
PL_perl_destruct_level|5.004050||p
PL_perldb|5.004050||p
PL_ppaddr|5.006000||p
PL_rsfilters|5.004050||p
PL_rsfpl|5.004050||p
PL_rs|||n

PL_signals|5.008001||p
PL_stack_base|5.004050||p
PL_stack_sp|5.004050||p
PL_statcache|5.005000||p
PL_stdingv|5.004050||p
PL_sv_arenaroot|5.004050||p
PL_sv_no|5.004050||pn
PL_sv_undef|5.004050||pn
PL_sv_yes|5.004050||pn
PL_tainted|5.004050||p
PL_tainting|5.004050||p
PL_tokenbuf|5.011000||p
POP_MULTICALL||5.011000|
POPi|||n
POPi|||n
POPn|||n
POPpbytex||5.007001|n
POPpx||5.005030|n
POPp|||n
POPs|||n
PTR2IV|5.006000||p
PTR2NV|5.006000||p
PTR2UV|5.006000||p
PTR2nat|5.009003||p
PTR2ul|5.007001||p
PTRV|5.006000||p
PUSHMARK|||
PUSH_MULTICALL||5.011000|
PUSHi|||
PUSHmortal|5.009002||p
PUSHn|||
PUSHp|||
PUSHs|||
PUSHu|5.004000||p
PUTBACK|||
PerlIO_clearerr||5.007003|
PerlIO_close||5.007003|
PerlIO_context_layers||5.009004|
PerlIO_eof||5.007003|
PerlIO_error||5.007003|
PerlIO_fileno||5.007003|
PerlIO_fill||5.007003|
PerlIO_flush||5.007003|
PerlIO_get_base||5.007003|
PerlIO_get_bufsiz||5.007003|
PerlIO_get_cnt||5.007003|
PerlIO_get_ptr||5.007003|
PerlIO_read||5.007003|

PerlIO_seek|5.007003|
PerlIO_set_cnt|5.007003|
PerlIO_set_ptrcnt|5.007003|
PerlIO_setlinebuf|5.007003|
PerlIO_stderr|5.007003|
PerlIO_stdin|5.007003|
PerlIO_stdout|5.007003|
PerlIO_tell|5.007003|
PerlIO_unread|5.007003|
PerlIO_write|5.007003|
Perl_signbit|5.009005|n
PoisonFree|5.009004||p
PoisonNew|5.009004||p
PoisonWith|5.009004||p
Poison|5.008000||p
RETVAl||n
Renewc||
Renew||
SAVECLEARSV||
SAVECOMPPAD||
SAVEPADSV||
SAVETMPS||
SAVE_DEFSV|5.004050||p
SPAGAIN||
SP||
START_EXTERN_C|5.005000||p
START_MY_CXT|5.007003||p
STMT_END||p
STMT_START||p
STR_WITH_LEN|5.009003||p
ST||
SV_CONST_RETURN|5.009003||p
SV_COW_DROP_PV|5.008001||p
SV_COW_SHARED_HASH_KEYS|5.009005||p
SV_GMAGIC|5.007002||p
SV_HAS_TRAILING_NUL|5.009004||p
SV_IMMEDIATE_UNREF|5.007001||p
SV_MUTABLE_RETURN|5.009003||p
SV_NOSTEAL|5.009002||p
SV_SMAGIC|5.009003||p
SV_UTF8_NO_ENCODING|5.008001||p
SVfARG|5.009005||p
SVf_UTF8|5.006000||p
SVf|5.006000||p
SVt_IV||
SVt_NV||
SVt_PVAV||
SVt_PVCV||

SVt_PVHV|||
SVt_PVMG|||
SVt_PV|||
Safefree|||
Slab_Alloc|||
Slab_Free|||
Slab_to_rw|||
StructCopy|||
SvCUR_set|||
SvCUR|||
SvEND|||
SvGAMAGIC|5.006001|
SvGETMAGIC|5.004050||p
SvGROW|||
SvIOK_UV|5.006000|
SvIOK_notUV|5.006000|
SvIOK_off|||
SvIOK_only_UV|5.006000|
SvIOK_only|||
SvIOK_on|||
SvIOKp|||
SvIOK|||
SvIVX|||
SvIV_nomg|5.009001||p
SvIV_set|||
SvIVx|||
SvIV|||
SvIsCOW_shared_hash|5.008003|
SvIsCOW|5.008003|
SvLEN_set|||
SvLEN|||
SvLOCK||5.007003|
SvMAGIC_set|5.009003||p
SvNIOK_off|||
SvNIOKp|||
SvNIOK|||
SvNOK_off|||
SvNOK_only|||
SvNOK_on|||
SvNOKp|||
SvNOK|||
SvNVX|||
SvNV_set|||
SvNVx|||
SvNV|||
SvOK|||
SvOOK_offset|5.011000|
SvOOK|||

SvPOK_off||
SvPOK_only_UTF8|5.006000|
SvPOK_only||
SvPOK_on||
SvPOKp||
SvPOK||
SvPVX_const|5.009003|p
SvPVX_mutable|5.009003|p
SvPVX||
SvPV_const|5.009003|p
SvPV_flags_const_nolen|5.009003|p
SvPV_flags_const|5.009003|p
SvPV_flags_mutable|5.009003|p
SvPV_flags|5.007002|p
SvPV_force_flags_mutable|5.009003|p
SvPV_force_flags_nolen|5.009003|p
SvPV_force_flags|5.007002|p
SvPV_force_mutable|5.009003|p
SvPV_force_nolen|5.009003|p
SvPV_force_nomg_nolen|5.009003|p
SvPV_force_nomg|5.007002|p
SvPV_force||p
SvPV_mutable|5.009003|p
SvPV_nolen_const|5.009003|p
SvPV_nolen|5.006000|p
SvPV_nomg_const_nolen|5.009003|p
SvPV_nomg_const|5.009003|p
SvPV_nomg|5.007002|p
SvPV_renew|5.009003|p
SvPV_set||
SvPVbyte_force||5.009002|
SvPVbyte_nolen||5.006000|
SvPVbytex_force||5.006000|
SvPVbytex||5.006000|
SvPVbyte|5.006000|p
SvPVutf8_force||5.006000|
SvPVutf8_nolen||5.006000|
SvPVutf8x_force||5.006000|
SvPVutf8x||5.006000|
SvPVutf8||5.006000|
SvPVx||
SvPV||
SvREFCNT_dec||
SvREFCNT_inc_NN|5.009004|p
SvREFCNT_inc_simple_NN|5.009004|p
SvREFCNT_inc_simple_void_NN|5.009004|p
SvREFCNT_inc_simple_void|5.009004|p
SvREFCNT_inc_simple|5.009004|p

SvREFCNT_inc_void_NN|5.009004|p
SvREFCNT_inc_void|5.009004|p
SvREFCNT_inc||p
SvREFCNT||
SvROK_off||
SvROK_on||
SvROK||
SvRV_set|5.009003|p
SvRV||
SvRXOK|5.009005|
SvRX|5.009005|
SvSETMAGIC||
SvSHARED_HASH|5.009003|p
SvSHARE|5.007003|
SvSTASH_set|5.009003|p
SvSTASH||
SvSetMagicSV_nosteal|5.004000|
SvSetMagicSV||5.004000|
SvSetSV_nosteal|5.004000|
SvSetSV||
SvTAINTED_off|5.004000|
SvTAINTED_on|5.004000|
SvTAINTED||5.004000|
SvTAINT||
SvTRUE||
SvTYPE||
SvUNLOCK|5.007003|
SvUOK|5.007001|5.006000|p
SvUPGRADE||
SvUTF8_off|5.006000|
SvUTF8_on|5.006000|
SvUTF8|5.006000|
SvUVXx|5.004000|p
SvUVX|5.004000|p
SvUV_nomg|5.009001|p
SvUV_set|5.009003|p
SvUVx|5.004000|p
SvUV|5.004000|p
SvVOK|5.008001|
SvVSTRING_mg|5.009004|p
THIS||n
UNDERBAR|5.009002|p
UTF8_MAXBYTES|5.009002|p
UVSIZE|5.006000|p
UVTYPE|5.006000|p
UVXf|5.007001|p
UVof|5.006000|p
UVuf|5.006000|p

UVxf|5.006000||p
WARN_ALL|5.006000||p
WARN_AMBIGUOUS|5.006000||p
WARN_ASSERTIONS|5.011000||p
WARN_BAREWORD|5.006000||p
WARN_CLOSED|5.006000||p
WARN_CLOSURE|5.006000||p
WARN_DEBUGGING|5.006000||p
WARN_DEPRECATED|5.006000||p
WARN_DIGIT|5.006000||p
WARN_EXEC|5.006000||p
WARN_EXITING|5.006000||p
WARN_GLOB|5.006000||p
WARN_INPLACE|5.006000||p
WARN_INTERNAL|5.006000||p
WARN_IO|5.006000||p
WARN_LAYER|5.008000||p
WARN_MALLOC|5.006000||p
WARN_MISC|5.006000||p
WARN_NEWLINE|5.006000||p
WARN_NUMERIC|5.006000||p
WARN_ONCE|5.006000||p
WARN_OVERFLOW|5.006000||p
WARN_PACK|5.006000||p
WARN_PARENTHESES|5.006000||p
WARN_PIPE|5.006000||p
WARN_PORTABLE|5.006000||p
WARN_PRECEDENCE|5.006000||p
WARN_PRINTF|5.006000||p
WARN_PROTOTYPE|5.006000||p
WARN_QW|5.006000||p
WARN_RECURSION|5.006000||p
WARN_REDEFINE|5.006000||p
WARN_REGEXP|5.006000||p
WARN_RESERVED|5.006000||p
WARN_SEMICOLON|5.006000||p
WARN_SEVERE|5.006000||p
WARN_SIGNAL|5.006000||p
WARN_SUBSTR|5.006000||p
WARN_SYNTAX|5.006000||p
WARN_TAINT|5.006000||p
WARN_THREADS|5.008000||p
WARN_UNINITIALIZED|5.006000||p
WARN_UNOPENED|5.006000||p
WARN_UNPACK|5.006000||p
WARN_UNTIE|5.006000||p
WARN_UTF8|5.006000||p
WARN_VOID|5.006000||p

XCPT_CATCH|5.009002||p
XCPT_RETHROW|5.009002||p
XCPT_TRY_END|5.009002||p
XCPT_TRY_START|5.009002||p
XPUSHi|||
XPUSHmortal|5.009002||p
XPUSHn|||
XPUSHp|||
XPUSHs|||
XPUSHu|5.004000||p
XSPROTO|5.010000||p
XSRETURN_EMPTY|||
XSRETURN_IV|||
XSRETURN_NO|||
XSRETURN_NV|||
XSRETURN_PV|||
XSRETURN_UNDEF|||
XSRETURN_UV|5.008001||p
XSRETURN_YES|||
XSRETURN|||p
XST_mIV|||
XST_mNO|||
XST_mNV|||
XST_mPV|||
XST_mUNDEF|||
XST_mUV|5.008001||p
XST_mYES|||
XS_VERSION_BOOTCHECK|||
XS_VERSION|||
XSprePUSH|5.006000||p
XS|||
ZeroD|5.009002||p
Zero|||
_aMY_CXT|5.007003||p
_pMY_CXT|5.007003||p
aMY_CXT_|5.007003||p
aMY_CXT|5.007003||p
aTHXR_|5.011000||p
aTHXR|5.011000||p
aTHX_|5.006000||p
aTHX|5.006000||p
add_data|||n
addmad|||
allocmy|||
amagic_call|||
amagic_cmp_locale|||
amagic_cmp|||
amagic_i_ncmp|||

amagic_ncmp|||
any_dup|||
ao|||
append_elem|||
append_list|||
append_madprops|||
apply_attrs_my|||
apply_attrs_string|5.006001|
apply_attrs|||
apply|||
atfork_lock|5.007003|n
atfork_unlock|5.007003|n
av_arylen_p|5.009003|
av_clear|||
av_create_and_push|5.009005|
av_create_and_unshift_one|5.009005|
av_delete|5.006000|
av_exists|5.006000|
av_extend|||
av_fetch|||
av_fill|||
av_iter_p|5.011000|
av_len|||
av_make|||
av_pop|||
av_push|||
av_reify|||
av_shift|||
av_store|||
av_undef|||
av_unshift|||
ax|||n
bad_type|||
bind_match|||
block_end|||
block_gimme|5.004000|
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```

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xmldump_sub|||
xmldump_vindent|||
yyerror|||
yylex|||
yyparse|||
yywarn|||
);

if
(exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '!x(40-length($f), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);

sub find_api
{
my $code = shift;
$code =~ s{
/ (? : \*[^\*]*\*+(?:[^\$ccs][^\*]*\*+)* / | /[\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^"\\]*(?:\\.[^"\\]*)*' }{ }egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}

while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\s(.*)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ""; # suppress warning with older
perls
$h->{$_} .= "$1\n";
}
}
else { undef $hint }
}

```

```

}

$hint = [$1, [split /\s+/, $2]]
  if m{^\s*$rcs\s+(Hint|Warning):\s+(\w+(?:,\s*\w+)*)\s*$};

if ($define) {
  if ($define->[1] =~ /\$/) {
    $define->[1] .= $_;
  }
  else {
    if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_\(/) {
      my @n = find_api($define->[1]);
      push @{$depends{$define->[0]}}, @n if @n
    }
    undef $define;
  }
}

$define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(.*)};

if ($function) {
  if (/^/) {
    if (exists $API{$function->[0]}) {
      my @n = find_api($function->[1]);
      push @{$depends{$function->[0]}}, @n if @n
    }
    undef $function;
  }
  else {
    $function->[1] .= $_;
  }
}

$function = [$1, ""] if m{^DPPP_\(my_(\w+)\)};

$replace = $1 if m{^\s*$rcs\s+Replace:\s+(\d+)\s+$rcce\s*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+).*\s*$rcs\s+Replace\s+$rcce};
$replace{$1} = $2 if m{^\s*$rcs\s+Replace (\w+) with (\w+)\s+$rcce\s*$};

if (m{^\s*$rcs\s+(\w+(\s*,\s*\w+)*)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcce\s*$}) {
  my @deps = map { s/\s+//g; $_ } split /\s+/, $3;
  my $d;
  for $d (map { s/\s+//g; $_ } split /\s+/, $1) {
    push @{$depends{$d}}, @deps;
  }
}

```

```

$need{$1} = 1 if m{^#if\s+defined\((NEED_(\w+)(?:_GLOBAL)?\));
}

for (values %depends) {
    my %s;
    $_ = [sort grep !$s{$_}++, @$_];
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^(.*)/$! ? $1 : "\Q$opt{'api-info'}\E\$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n=== $f ===\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base.\n";
            $info++;
        }
        if ($API{$f}{provided}) {
            my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo.\n";
            print "Support needs to be explicitly requested by NEED_$. \n" if exists $need{$f};
            print "Depends on: ", join(', ', @{$depends{$f}}), ". \n" if exists $depends{$f};
            print "\n$hints{$f}" if exists $hints{$f};
            print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
            $info++;
        }
        print "No portability information available.\n" unless $info;
        $count++;
    }
    $count or print "Found no API matching '$opt{'api-info'}'.";
    print "\n";
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend' if exists $depends{$f};
        push @flags, 'hint' if exists $hints{$f};
        push @flags, 'warning'

```

```

if exists $warnings{$f};
my $flags = @flags ? ' ['.join(', ', @flags).'] : ";
print "$f$flags\n";
}
exit 0;
}

my @files;
my @srctxt = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srctxt = join '|', map { quotemeta $_ } @srctxt;

if (@ARGV) {
my %seen;
for (@ARGV) {
if (-e) {
if (-f) {
push @files, $_ unless $seen{$_}++;
}
else { warn "'$_' is not a file.\n" }
}
else {
my @new = grep { -f } glob $_
or warn "'$_' does not exist.\n";
push @files, grep { !$seen{$_}++ } @new;
}
}
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /($srctxt)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($?) {
@files = map { glob ".*$_" } @srctxt;
}
}

if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("1.c" => 1, "1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\bQ$ppport\E$/i || !/($srctxt)$/i;
push @ { $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {

```

```

warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}

```

```
die "No input files given!\n" unless @files;
```

```

my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

```

```

for $filename (@files) {
  unless (open IN, "<$filename") {
    warn "Unable to read from $filename: $!\n";
    next;
  }
}

```

```
info("Scanning $filename ...");
```

```

my $c = do { local $/; <IN> };
close IN;

```

```
my %file = (orig => $c, changes => 0);
```

```

# Temporarily remove C/XS comments and strings from the code
my @ccom;

```

```

$c =~ s{
  ( ^$HS*#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
  | ^$HS*#$HS*(?:define|elif|if(?:def?))\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
  | "[^"\\]*(?:\\.[^"\\])*"
  | '[^"\\]*(?:\\.[^"\\])*'
  | /(?: \*[^\*]*\*+(?:\^[^$ccs][^*]*\*+)* /|/[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
  defined
  $1 ? $1 : "$ccs$#ccom$cce" }mgsex;

```

```
$file{ccom} = \@ccom;
```

```
$file{code} = $c;
```

```
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;
```

```
my $func;
```

```
for $func (keys %API) {
```

```
  my $match = $func;
```

```
  $match .= "|$revreplace{$func}" if exists $revreplace{$func};
```

```

if ($c =~ /\b(?:Perl_)?($match)\b/) {
    $file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
    $file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
    if (exists $API{$func}{provided}) {
        $file{uses_provided}{$func}++;
        if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
            $file{uses}{$func}++;
            my @deps = rec_depend($func);
            if (@deps) {
                $file{uses_deps}{$func} = \@deps;
                for (@deps) {
                    $file{uses}{$_} = 0 unless exists $file{uses}{$_};
                }
            }
            for ($func, @deps) {
                $file{needs}{$_} = 'static' if exists $need{$_};
            }
        }
    }
    if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
        if ($c =~ /\b$func\b/) {
            $file{uses_todo}{$func}++;
        }
    }
}

```

```

while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL?))\b/mg) {
    if (exists $need{$2}) {
        $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
    }
    else { warning("Possibly wrong #define $1 in $filename") }
}

```

```

for (qw(uses needs uses_todo needed_global needed_static)) {
    for $func (keys %{$file{$_}}) {
        push @{$global{$_}{$func}}, $filename;
    }
}

```

```

$files{$filename} = \%file;
}

```

```

# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
    if (@{$global{needs}{$need}} > 1) {
        my @targets = @{$global{needs}{$need}};
    }
}

```

```

my @t = grep $files{$_}{needed_global}{$need}, @targets;
@targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need}
= 'global';
for (@{$global{needs}{$need}}) {
    $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}

for $filename (@files) {
exists $files{$filename} or next;

info("==== Analyzing $filename ====");

my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
my $warnings = 0;

for $func (sort keys %{$file{uses_Perl}}) {
if ($API{$func}{varargs}) {
unless ($API{$func}{nothxarg}) {
my $changes = ($c =~ s{\b(Perl_$func\s*\(\s*(?!aTHX_?)\(\)[^\s]*)\)}
    { $1 . ($2 eq ') ? 'aTHX' : 'aTHX_' ) . $2 }ge);
if ($changes) {
warning("Doesn't pass interpreter argument aTHX to Perl_$func");
$file{changes} += $changes;
}
}
}
else {
warning("Uses Perl_$func instead of $func");
$file{changes} += ($c =~ s{\bPerl_$func(\s*)\(\(\s*aTHX_?\)?\s*}
    {$func$1{}g);
}
}

for $func (sort keys %{$file{uses_replace}}) {
warning("Uses
$func instead of $replace{$func}");
$file{changes} += ($c =~ s{\b$func\b/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {

```



```

if ($file{uses}{$func}) {
    if (exists $file{uses_deps}{$func}) {
        diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
    }
    else {
        diag("Uses $func");
    }
}
}
$warnings += hint($func);
}

```

```

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
            format_version($API{$func}{todo}), ", even with '$ppport'\n";
        $warnings++;
    }
}

```

```

for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}{$func}) {
        $message = "No need to define NEED_$func if $func is never used";
    }
    elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
        $message = "No need to define NEED_$func when already
needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_$func\b.*$LF//mg);
    }
}

```

```

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_${func}_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_${func}_GLOBAL when already needed globally";
        }
        elsif ($file{needs}{$func} eq 'static') {
            $message = "No need to define NEED_${func}_GLOBAL when only used in this file";
        }
    }
    if ($message) {

```

```

diag($message);
$file{changes} += ($c =~ s/^\$HS*#\$HS*define$HS+NEED_{func}_GLOBAL\b.*$LF//mg);
}
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
my $pp = "";

for $func (sort keys %{$file{needs}}) {
my $type = $file{needs}{$func};
next if $type eq 'extern';
my $suffix = $type eq 'global' ? '_GLOBAL' : "";
unless (exists $file{"needed_$type"}{$func}) {
if ($type eq 'global') {
diag("Files [@{$global{needs}{$func}}] need $func, adding global request");
}
else {
diag("File needs $func, adding static request");
}
$pp .= "#define NEED_$func$suffix\n";
}
}

if ($pp && ($c =~ s/^(?=$HS*#\$HS*define$HS+NEED_\w+)/$pp/m)) {
$pp = "";
$file{changes}++;
}

unless ($file{has_inc_ppport}) {
diag("Needs to include '$ppport'");
$pp .= qq(#include "$ppport"\n)
}

if ($pp) {
$file{changes} += ($c =~ s/^\($HS*#\$HS*define$HS+NEED_\w+.*?\)^/$1$pp/ms)
|| ($c =~ s/^(?=$HS*#\$HS*include.*\Q$ppport\E)/$pp/m)
|| ($c =~ s/^\($HS*#\$HS*include.*XSUB.*\s*?\)^/$1$pp/m)
|| ($c =~ s/^\($pp/);
}
}
else {
if ($file{has_inc_ppport})
{
diag("No need to include '$ppport'");
$file{changes} += ($c =~ s/^\$HS*?#\$HS*include.*\Q$ppport\E.*?$LF//m);
}
}
}

```

```

}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{plusplus} && $ccom[$ix] =~ s!^/!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rcs$ix$rcce/$ccs$ccom[$ix] $cce/;
    }
    else {
        $c =~ s/$rcs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : "";
info("Analysis completed$warn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("$newfile' already exists, refusing to write copy of '$filename'");
        }
        else {
            local *F;
            if (open F, ">$newfile") {
                info("Writing
copy of '$filename' with changes to '$newfile'");
                print F $c;
                close F;
            }
            else {
                error("Cannot open '$newfile' for writing: $!");
            }
        }
    }
    elsif (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {

```

```

    $patch_opened = 1;
  }
  else {
    error("Cannot open '$opt{patch}' for writing: $!");
    delete $opt{patch};
    $opt{changes} = 1;
    goto fallback;
  }
}
mydiff(\*PATCH, $filename, $c);
}
else {
fallback:
  info("Suggested changes:");
  mydiff(\*STDOUT, $filename, $c);
}
}
else {
  my $s = $file{changes} == 1 ? " : 's';
  info("$file{changes} potentially required change$s detected");
}
}
else {
  info("Looks good");
}
}

```

```
close PATCH if $patch_opened;
```

```
exit 0;
```

```
sub try_use { eval
"use @_:"; return $@ eq " }
```

```
sub mydiff
{
  local *F = shift;
  my($file, $str) = @_;
  my $diff;
```

```
if (exists $opt{diff}) {
  $diff = run_diff($opt{diff}, $file, $str);
}

```

```
if (!defined $diff and try_use("Text::Diff")) {
  $diff = Text::Diff::diff($file, \ $str, { STYLE => 'Unified' });
  $diff = <<HEADER . $diff;
```

```

--- $file
+++ $file.patched
HEADER
}

if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_ ;
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/\Q$tmp\E/$file.patched/;
                $diff
            }
            .= $_;
        }
        close F;
        unlink $tmp;
        return $diff;
    }

    unlink $tmp;
}

```

```

}
else {
    error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
{
    my($func, $seen) = @_ ;
    return () unless exists $depends{$func};
    $seen = {%{$seen||{}}};
    return () if $seen->{$func}++;
    my %s;
    grep !${$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
    my $ver = shift;

    if ($ver =~ /^(d+)\.(d+)\.(d+)$/) {
        return ($1, $2, $3);
    }
    elsif ($ver !~ /^d+\.[d_]+$/) {
        die "cannot parse version '$ver'\n";
    }

    $ver =~ s/_//g;
    $ver =~ s/$/000000/;

    my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse version '$ver'\n";
        }
    }

    return ($r, $v, $s);
}

sub format_version
{

```

```

my $ver = shift;

$ver =~ s/000000/;
my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s =
int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "invalid version '$ver'\n";
    }
    $s /= 10;

    $ver = sprintf "%d.%03d", $r, $v;
    $s > 0 and $ver .= sprintf "_%02d", $s;

    return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** ", @_, "\n";
}

sub error
{
    print "*** ERROR: ", @_, "\n";
}

my %given_hints;

```

```

my %given_warnings;
sub hint
{
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
    if (exists $warnings{$func} && !$given_warnings{$func}++) {
        my $warn = $warnings{$func};
        $warn =~ s/!*** !mg;
        print "*** WARNING: $func\n", $warn;
        $rv++;
    }
    if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
        my $hint = $hints{$func};
        $hint =~ s/^/ /mg;
        print " --- hint for $func ---\n", $hint;
    }
    $rv;
}

sub
usage
{
    my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
    my %M = ( 'T' => '*' );
    $usage =~ s/^\s*perl\s+\S+/$^X $0/;
    $usage =~ s/([A-Z])<([>]+)>/M{$1}$2M{$1}/g;

    print <<ENDUSAGE;

Usage: $usage

See perldoc $0 for details.

ENDUSAGE

    exit 2;
}

sub strip
{
    my $self = do { local(@ARGV,$/)=($0); <> };
    my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
    $copy =~ s/^(?=\S+)/ /gms;
    $self =~ s/^$HS+Do NOT edit.*?(?=-)/$copy/ms;
    $self =~ s/^SKIP.*(?:^__DATA__)/SKIP
if (\@ARGV && \${ARGV[0]} eq '--unstrip') {
    eval { require Devel::PPPport };
}

```



```

\${@} and die "Cannot require Devel::PPPort, please install.\n";
if (eval \${Devel::PPPort::VERSION} < \${VERSION}) {
    die "\$0 was originally generated with Devel::PPPort \${VERSION}.\n"
        . "Your Devel::PPPort is only version \${Devel::PPPort::VERSION}.\n"
        . "Please install a newer version, or --unstrip will not work.\n";
}
Devel::PPPort::WriteFile(\$0);
exit 0;
}
print
<<END;

```

Sorry, but this is a stripped version of \\$0.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

```
\${X} \$0 --unstrip
```

END

```
/ms;
```

```
my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
```

```
$c =~ s{
```

```
  /(?: \*[^\*]*\*+(?:[^\$ccs][^\*]*\*+)* | /[\r\n]*)
```

```
| ( "[^\\"]*(?:\\.["\\"])*"
```

```
| '[^\\"]*(?:\\.["\\"])*'
```

```
| (\$HS+) ){ defined $2 ? '': ($1 || ") }gsex;
```

```
$c =~ s!\s+!!mg;
```

```
$c =~ s!^\$LF!!mg;
```

```
$c =~ s!\s*#\s*!#!mg;
```

```
$c =~ s!\s+!!mg;
```

```
open OUT, ">\$0" or die "cannot strip \$0: \$!\n";
```

```
print OUT "$pl$c\n";
```

```
exit 0;
```

```
}
```

```
__DATA__
```

```
*/
```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548094_1591901909.08/0/perl-threads-shared-1.58-2.el8.src.rpm-cosi-
expand-archive-r04CR9IQ/threads-shared-1.58.tar.gz-cosi-expand-archive-XH2RZBES/threads-shared-
1.58/ppport.h

```

No license file was found, but licenses were detected in source scan.

abstract: 'Perl extension for sharing data structures between threads'
author:
- 'Artur Bergman, Jerry D. Hedden <jdhedden AT cpan DOT org>'
build_requires:
ExtUtils::MakeMaker: '0'
configure_requires:
ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: '1.4'
name: threads-shared
no_index:
directory:
- t
- inc
requires:
Carp: '0'
Config: '0'
ExtUtils::testlib: '0'
Scalar::Util: '0'
Test::More: '0'
XSLoader: '0'
strict: '0'
threads: '1.73'
warnings: '0'
version: '1.58'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548094_1591901909.08/0/perl-threads-shared-1.58-2.el8.src.rpm-cosi-expand-archive-r04CR9IQ/threads-shared-1.58.tar.gz-cosi-expand-archive-XH2RZBES/threads-shared-1.58/META.yml

No license file was found, but licenses were detected in source scan.

Copyright 2006 - 2017 Jerry D. Hedden. All rights reserved.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548094_1591901909.08/0/perl-threads-shared-1.58-2.el8.src.rpm-cosi-expand-archive-r04CR9IQ/threads-shared-1.58.tar.gz-cosi-expand-archive-XH2RZBES/threads-shared-1.58/examples/class.pl

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548094_1591901909.08/0/perl-threads-shared-1.58-2.el8.src.rpm-cosi-expand-archive-r04CR9IQ/perl-threads-shared.spec
```

No license file was found, but licenses were detected in source scan.

=head1 NAME

threads::shared - Perl extension for sharing data structures between threads

=head1 VERSION

This document describes threads::shared version 1.58

=head1 SYNOPSIS

```
use threads;
use threads::shared;
```

```
my $var :shared;
my %hsh :shared;
my @ary :shared;
```

```
my ($scalar, @array, %hash);
share($scalar);
share(@array);
share(%hash);
```

```
$var = $scalar_value;
$var = $shared_ref_value;
$var = shared_clone($non_shared_ref_value);
$var = shared_clone({'foo' => [qw/foo bar baz/]});
```

```
$hsh{'foo'} = $scalar_value;
$hsh{'bar'} = $shared_ref_value;
$hsh{'baz'} = shared_clone($non_shared_ref_value);
$hsh{'quz'} = shared_clone([1..3]);
```

```
$ary[0] = $scalar_value;
$ary[1] = $shared_ref_value;
$ary[2] = shared_clone($non_shared_ref_value);
$ary[3] = shared_clone([ {}, [] ]);
```

```
{ lock(%hash); ... }
```

```
cond_wait($scalar);
cond_timedwait($scalar, time() + 30);
cond_broadcast(@array);
```

```
cond_signal(%hash);
```

```
my $lockvar :shared;  
# condition var != lock var  
cond_wait($var, $lockvar);  
cond_timedwait($var, time()+30, $lockvar);
```

=head1 DESCRIPTION

By default, variables are private to each thread, and each newly created thread gets a private copy of each existing variable. This module allows you to share variables across different threads (and pseudo-forks on Win32). It is used together with the L<threads> module.

This module supports the sharing of the following data types only: scalars and scalar refs, arrays and array refs, and hashes and hash refs.

=head1 EXPORT

The following functions are exported by this module: C<share>, C<shared_clone>, C<is_shared>, C<cond_wait>, C<cond_timedwait>, C<cond_signal> and C<cond_broadcast>

Note that if this module is imported when L<threads> has not yet been loaded, then these functions all become no-ops. This makes it possible to write modules that will work in both threaded and non-threaded environments.

=head1 FUNCTIONS

```
=over  
4
```

=item share VARIABLE

C<share> takes a variable and marks it as shared:

```
my ($scalar, @array, %hash);  
share($scalar);  
share(@array);  
share(%hash);
```

C<share> will return the shared rvalue, but always as a reference.

Variables can also be marked as shared at compile time by using the C<:shared> attribute:

```
my ($var, %hash, @array) :shared;
```

Shared variables can only store scalars, refs of shared variables, or refs of shared data (discussed in next section):

```
my ($var, %hash, @array) :shared;
my $bork;

# Storing scalars
$var = 1;
$hash{'foo'} = 'bar';
$array[0] = 1.5;

# Storing shared refs
$var = \%hash;
$hash{'ary'} = \@array;
$array[1] = \$var;

# The following are errors:
# $var = $bork;           # ref of non-shared variable
# $hash{'bork'} = [];    # non-shared array ref
# push(@array, { 'x' => 1 }); # non-shared hash ref
```

=item shared_clone REF

C<shared_clone> takes a reference, and returns a shared version of its argument, performing a deep copy on any non-shared elements. Any shared elements in the argument are used as is (i.e., they are not cloned).

```
my $cpy = shared_clone({'foo' => [qw/foo bar baz/]});
```

Object status (i.e., the class an object is blessed into) is also cloned.

```
my $obj = {'foo' => [qw/foo bar baz/]};
bless($obj, 'Foo');
my $cpy = shared_clone($obj);
print(ref($cpy), "\n"); # Outputs 'Foo'
```

For cloning empty array or hash refs, the following may also be used:

```
$var = &share([]); # Same as $var = shared_clone([]);
$var = &share({}); # Same as $var = shared_clone({});
```

Not all Perl data types can be cloned (e.g., globs, code refs). By default, C<shared_clone> will L<croak|Carp> if it encounters such items. To change this behaviour to a warning, then set the following:

```
$threads::shared::clone_warn = 1;
```

In this case, C<undef> will be substituted for the item to be cloned. If set to zero:

```
$threads::shared::clone_warn = 0;
```

then

the C<undef> substitution will be performed silently.

=item is_shared VARIABLE

C<is_shared> checks if the specified variable is shared or not. If shared, returns the variable's internal ID (similar to C<refaddr(> (see L<Scalar::Util>). Otherwise, returns C<undef>.

```
if (is_shared($var)) {
    print("\$var is shared\n");
} else {
    print("\$var is not shared\n");
}
```

When used on an element of an array or hash, C<is_shared> checks if the specified element belongs to a shared array or hash. (It does not check the contents of that element.)

```
my %hash :shared;
if (is_shared(%hash)) {
    print("\%hash is shared\n");
}
```

```
$hash{'elem'} = 1;
if (is_shared($hash{'elem'})) {
    print("\$hash{'elem'} is in a shared hash\n");
}
```

=item lock VARIABLE

C<lock> places a B<advisory> lock on a variable until the lock goes out of scope. If the variable is locked by another thread, the C<lock> call will block until it's available. Multiple calls to C<lock> by the same thread from within dynamically nested scopes are safe -- the variable will remain locked until the outermost lock on the variable goes out of scope.

C<lock> follows references exactly I<one> level:

```
my %hash :shared;
my $ref = \%hash;
lock($ref);      # This is equivalent to lock(%hash)
```

Note that you cannot explicitly unlock a variable; you can only wait for the lock to go out of scope. This is most easily accomplished by locking the variable inside a block.

```
my $var :shared;
{
    lock($var);
    # $var is locked from here to the end of the block
    ...
}
# $var is now unlocked
```

As locks are advisory, they do not prevent data access or modification by another thread that does not itself attempt to obtain a lock on the variable.

You cannot lock the individual elements of a container variable:

```
my %hash :shared;
$hash{ 'foo' } = 'bar';
#lock($hash{ 'foo' });      # Error
lock(%hash);               # Works
```

If you need more fine-grained control over shared variable access, see [L<Thread::Semaphore>](#).

=item cond_wait VARIABLE

=item cond_wait CONDVAR, LOCKVAR

The `C<cond_wait>` function takes a `B<locked>` variable as a parameter, unlocks the variable, and blocks until another thread does a `C<cond_signal>` or `C<cond_broadcast>` for that same locked variable. The variable that `C<cond_wait>` blocked on is re-locked after the `C<cond_wait>` is satisfied. If there are multiple threads `C<cond_wait>`ing on the same variable, all but one will re-block waiting to reacquire the lock on the variable. (So if you're only using `C<cond_wait>` for synchronization, give up the lock as soon as possible). The two actions of unlocking the variable and entering the blocked wait state are atomic, the two actions of exiting from the blocked wait state and re-locking the variable are not.

In its second form, `C<cond_wait>` takes a shared, `B<unlocked>` variable followed by a shared, `B<locked>` variable. The second variable is unlocked and thread execution suspended until another thread signals the first variable.

It is important to note that the variable can be notified even if no thread C<cond_signal> or C<cond_broadcast> on the variable. It is therefore important to check the value of the variable and go back to waiting if the requirement is not fulfilled. For example, to pause until a shared counter drops to zero:

```
{ lock($counter); cond_wait($counter) until $counter == 0; }
```

=item cond_timedwait VARIABLE, ABS_TIMEOUT

=item cond_timedwait CONDVAR, ABS_TIMEOUT, LOCKVAR

In its two-argument form, C<cond_timedwait> takes a B<locked> variable and an absolute timeout in I<epoch> seconds (see L<time() in perlfunc|perlfunc/time> for more) as parameters, unlocks the variable, and blocks until the timeout is reached or another thread signals the variable. A false value is returned if the timeout is reached, and a true value otherwise. In either case, the variable is re-locked upon return.

Like C<cond_wait>, this function may take a shared, B<locked> variable as an additional parameter; in this case the first parameter is an B<unlocked> condition variable protected by a distinct lock variable.

Again like C<cond_wait>, waking up and reacquiring the lock are not atomic, and you should always check your desired condition after this function returns. Since the timeout is an absolute value, however, it does not have to be recalculated with each pass:

```
lock($var);
my $abs = time() + 15;
until ($ok = desired_condition($var)) {
    last if !cond_timedwait($var, $abs);
}
# we got it if $ok, otherwise we timed out!
```

=item cond_signal VARIABLE

The C<cond_signal> function takes a B<locked> variable as a parameter and unblocks one thread that's C<cond_wait>ing on that variable. If more than one thread is blocked in a C<cond_wait> on that variable, only one (and which one is indeterminate) will be unblocked.

If there are no threads blocked in a C<cond_wait> on the variable, the signal is discarded. By always locking

before signaling, you can (with care), avoid

signaling before another thread has entered `cond_wait()`.

`C<cond_signal>` will normally generate a warning if you attempt to use it on an unlocked variable. On the rare occasions where doing this may be sensible, you can suppress the warning with:

```
{ no warnings 'threads'; cond_signal($foo); }
```

=item `cond_broadcast` VARIABLE

The `C<cond_broadcast>` function works similarly to `C<cond_signal>`. `C<cond_broadcast>`, though, will unblock `B<all>` the threads that are blocked in a `C<cond_wait>` on the locked variable, rather than only one.

=back

=head1 OBJECTS

`L<threads::shared>` exports a version of `L<bless()|perlfunc/"bless REF">` that works on shared objects such that `I<blessings>` propagate across threads.

```
# Create a shared 'Foo' object
my $foo :shared = shared_clone({});
bless($foo, 'Foo');

# Create a shared 'Bar' object
my $bar :shared = shared_clone({});
bless($bar, 'Bar');

# Put 'bar' inside 'foo'
$foo->{'bar'} = $bar;

#
Rebless the objects via a thread
threads->create(sub {
    # Rebless the outer object
    bless($foo, 'Yin');

    # Cannot directly rebless the inner object
    #bless($foo->{'bar'}, 'Yang');

    # Retrieve and rebless the inner object
    my $obj = $foo->{'bar'};
    bless($obj, 'Yang');
    $foo->{'bar'} = $obj;

})->join();
```

```
print(ref($foo), "\n"); # Prints 'Yin'
print(ref($foo->{'bar'}), "\n"); # Prints 'Yang'
print(ref($bar), "\n"); # Also prints 'Yang'
```

=head1 NOTES

L<threads::shared> is designed to disable itself silently if threads are not available. This allows you to write modules and packages that can be used in both threaded and non-threaded applications.

If you want access to threads, you must C<use threads> before you C<use threads::shared>. L<threads> will emit a warning if you use it after L<threads::shared>.

=head1 WARNINGS

=over 4

=item cond_broadcast() called on unlocked variable

=item cond_signal() called
on unlocked variable

See L<"cond_signal VARIABLE">, above.

=back

=head1 BUGS AND LIMITATIONS

When C<share> is used on arrays, hashes, array refs or hash refs, any data they contain will be lost.

```
my @arr = qw(foo bar baz);
share(@arr);
# @arr is now empty (i.e., == ());
```

```
# Create a 'foo' object
my $foo = { 'data' => 99 };
bless($foo, 'foo');
```

```
# Share the object
share($foo); # Contents are now wiped out
print("ERROR: \ $foo is empty\n")
  if (! exists($foo->{'data'}));
```

Therefore, populate such variables B<after> declaring them as shared. (Scalar and scalar refs are not affected by this problem.)

Blessing a shared item after it has been nested in another shared item does not propagate the blessing to the shared reference:

```
my $foo = &share({});
my $bar = &share({});
$bar->{foo} = $foo;
bless($foo, 'baz'); # $foo is now of class 'baz',
                   # but $bar->{foo} is unblessed.
```

Therefore, you should bless objects before sharing them.

It is often not wise to share an object unless the class itself has been written to support sharing. For example, a shared object's destructor may get called multiple times, once for each thread's scope exit, or may not get called at all if it is embedded inside another shared object. Another issue is that the contents of hash-based objects will be lost due to the above mentioned limitation. See `F<examples/class.pl>` (in the CPAN distribution of this module) for how to create a class that supports object sharing.

Destructors may not be called on objects if those objects still exist at global destruction time. If the destructors must be called, make sure there are no circular references and that nothing is referencing the objects before the program ends.

Does not support `C<splice>` on arrays. Does not support explicitly changing array lengths via `$#array --` use `C<push>` and `C<pop>` instead.

Taking references to the elements of shared arrays and hashes does not autovivify the elements, and neither does slicing a shared array/hash over non-existent indices/keys autovivify the elements.

`C<share()>` allows you to `C<< share($hashref->{key}) >>` and `C<< share($arrayref->[idx]) >>` without giving any error message. But the `C<< $hashref->{key} >>` or `C<< $arrayref->[idx] >>` is **B<not>** shared, causing the error "lock can only be used on shared values" to occur when you attempt to `C<< lock($hashref->{key}) >>` or `C<< lock($arrayref->[idx]) >>` in another thread.

Using `C<refaddr()>` is unreliable for testing whether or not two shared references are equivalent (e.g., when testing for circular references). Use `L<is_shared()/"is_shared VARIABLE">`, instead:

```
use threads;
use threads::shared;
```

```

use Scalar::Util qw(refaddr);

# If ref is shared, use threads::shared's internal ID.
# Otherwise, use refaddr().
my $addr1 = is_shared($ref1) || refaddr($ref1);
my $addr2 = is_shared($ref2) || refaddr($ref2);

if ($addr1 == $addr2) {
    # The refs
are equivalent
}

```

L<each()|perlfunc/"each HASH"> does not work properly on shared references embedded in shared structures. For example:

```

my %foo :shared;
$foo{'bar'} = shared_clone({'a'=>'x', 'b'=>'y', 'c'=>'z'});

while (my ($key, $val) = each(%{$foo{'bar'}})) {
    ...
}

```

Either of the following will work instead:

```

my $ref = $foo{'bar'};
while (my ($key, $val) = each(%{$ref})) {
    ...
}

foreach my $key (keys(%{$foo{'bar'}})) {
    my $val = $foo{'bar'}{$key};
    ...
}

```

This module supports dual-valued variables created using C<dualvar()> from L<Scalar::Util>. However, while C<\$!> acts like a dualvar, it is implemented as a tied SV. To propagate its value, use the follow construct, if needed:

```

my $errno :shared = dualvar($!, $!);

```

View existing bug reports at, and submit any new bugs, problems, patches, etc. to: L<<http://rt.cpan.org/Public/Dist/Display.html?Name=threads-shared>>

=head1 SEE ALSO

threads::shared on MetaCPAN:

L<<https://metacpan.org/release/threads-shared>>

Code

repository for CPAN distribution:

L<<https://github.com/Dual-Life/threads-shared>>

L<threads>, L<perlthrtut>

L<<http://www.perl.com/pub/a/2002/06/11/threads.html>> and

L<<http://www.perl.com/pub/a/2002/09/04/threads.html>>

Perl threads mailing list:

L<<http://lists.perl.org/list/ithreads.html>>

Sample code in the I<examples> directory of this distribution on CPAN.

=head1 AUTHOR

Artur Bergman E<lt>sky AT crucially DOT netE<gt>

Documentation borrowed from the old Thread.pm.

CPAN version produced by Jerry D. Hedden E<lt>jdhedden AT cpan DOT orgE<gt>.

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=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548094_1591901909.08/0/perl-threads-shared-1.58-2.el8.src.rpm-cosi-expand-archive-r04CR9IQ/threads-shared-1.58.tar.gz-cosi-expand-archive-XH2RZBES/threads-shared-1.58/lib/threads/shared.pm

1.45 perl-time-local 1.280-1.el8

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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.46 perl-file-temp 0.230.600-1.e18

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Gnomovision version 69, Copyright (C) 19xx name of author
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

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1.47 perl-carp 1.42-396.el8

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No license file was found, but licenses were detected in source scan.

abstract: 'alternative warn and die for modules'

author:

- unknown

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.1, CPAN::Meta::Converter version 2.150005'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'

name: Carp

no_index:

directory:

- t

- inc

requires:

Config: '0'

Exporter: '0'

ExtUtils::MakeMaker: '0'
IPC::Open3: '1.0103'
Test::More: '0.47'
overload: '0'
strict: '0'
warnings: '0'
version: '1.38'
x_serialization_backend: 'CPAN::Meta::YAML version 0.017'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-archive-6G9eXuF1/Carp-1.38.tar.gz-cosi-expand-archive-ok6zis0t/Carp-1.38/META.yml

No license file was found, but licenses were detected in source scan.

=head1 NAME

Carp - alternative warn and die for modules

=head1 SYNOPSIS

```
use Carp;
```

```
# warn user (from perspective of caller)
carp "string trimmed to 80 chars";
```

```
# die of errors (from perspective of caller)
croak "We're outta here!";
```

```
# die of errors with stack backtrace
confess "not implemented";
```

```
# cluck, longmess and shortmess not exported by default
use Carp qw(cluck longmess shortmess);
cluck "This is how we got here!";
$long_message = longmess( "message from cluck() or confess()" );
$short_message = shortmess( "message from carp() or croak()" );
```

=head1 DESCRIPTION

The Carp routines are useful in your own modules because they act like C<die()> or C<warn()>, but with a message which is more likely to be useful to a user of your module. In the case of C<cluck()> and C<confess()>, that context is a summary of every call in the call-stack; C<longmess()> returns the contents of the error message.

For a shorter message you can use C<carp()> or C<croak()> which report the

error as being from where your module was called. `C<shortmess()` returns the contents of this error message. There is no guarantee that that is where the error was, but it is a good educated guess.

`C<Carp>` takes care not to clobber the status variables `C<$!>` and `C<${E}>` in the course of assembling its error messages. This means that a `C<${SIG{__DIE__}}>` or `C<${SIG{__WARN__}}>` handler can capture the error information held in those variables, if it is required to augment the error message, and if the code calling `C<Carp>` left useful values there. Of course, `C<Carp>` can't guarantee the latter.

You can also alter the way the output and logic of `C<Carp>` works, by changing some global variables in the `C<Carp>` namespace. See the section on `C<GLOBAL VARIABLES>` below.

Here is a more complete description of how `C<carp>` and `C<croak>` work. What they do is search the call-stack for a function call stack where they have not been told that there shouldn't be an error. If every call is marked safe, they give up and give a full stack backtrace instead. In other words they presume that the first likely looking potential suspect is guilty. Their rules for telling whether a call shouldn't generate errors work as follows:

=over 4

=item 1.

Any call from a package to itself is safe.

=item 2.

Packages claim that there won't be errors on calls to or from packages explicitly marked as safe by inclusion in `C<@CARP_NOT>`, or (if that array is empty) `C<@ISA>`. The ability to override what `@ISA` says is new in 5.8.

=item 3.

The trust in item 2 is transitive. If A trusts B, and B trusts C, then A trusts C. So if you do not override `C<@ISA>` with `C<@CARP_NOT>`, then this trust relationship is identical to, "inherits from".

=item 4.

Any call from an internal Perl module is safe. (Nothing keeps user modules from marking themselves as internal to Perl, but

this practice is discouraged.)

=item

5.

Any call to Perl's warning system (eg Carp itself) is safe. (This rule is what keeps it from reporting the error at the point where you call `C<carp>` or `C<croak>`.)

=item 6.

`C<$Carp::CarpLevel>` can be set to skip a fixed number of additional call levels. Using this is not recommended because it is very difficult to get it to behave correctly.

=back

=head2 Forcing a Stack Trace

As a debugging aid, you can force Carp to treat a croak as a confess and a carp as a cluck across I<all> modules. In other words, force a detailed stack trace to be given. This can be very helpful when trying to understand why, or from where, a warning or error is being generated.

This feature is enabled by 'importing' the non-existent symbol 'verbose'. You would typically enable it by saying

```
perl -MCarp=verbose script.pl
```

or by including the string `C<-MCarp=verbose>` in the `PERL5OPT` environment variable.

Alternately, you can set the global variable `C<$Carp::Verbose>` to true.

See the

`C<GLOBAL VARIABLES>` section below.

=head2 Stack Trace formatting

At each stack level, the subroutine's name is displayed along with its parameters. For simple scalars, this is sufficient. For complex data types, such as objects and other references, this can simply display `C<'HASH(0x1ab36d8)'>`.

Carp gives two ways to control this.

=over 4

=item 1.

For objects, a method, C<CARP_TRACE>, will be called, if it exists. If this method doesn't exist, or it recurses into C<Carp>, or it otherwise throws an exception, this is skipped, and Carp moves on to the next option, otherwise checking stops and the string returned is used. It is recommended that the object's type is part of the string to make debugging easier.

=item 2.

For any type of reference, C<\$Carp::RefArgFormatter> is checked (see below). This variable is expected to be a code reference, and the current parameter is passed in. If this function doesn't exist (the variable is undef), or it recurses into C<Carp>, or it otherwise throws an exception, this is skipped, and Carp moves on to the next option, otherwise checking stops and the string returned is used.

=item 3.

Otherwise, if neither C<CARP_TRACE> nor C<\$Carp::RefArgFormatter> is available, stringify the value ignoring any overloading.

=back

=head1 GLOBAL VARIABLES

=head2 \$Carp::MaxEvalLen

This variable determines how many characters of a string-eval are to be shown in the output. Use a value of C<0> to show all text.

Defaults to C<0>.

=head2 \$Carp::MaxArgLen

This variable determines how many characters of each argument to a function to print. Use a value of C<0> to show the full length of the argument.

Defaults to C<64>.

=head2 \$Carp::MaxArgNums

This variable determines how many arguments to each function to show. Use a false value to show all arguments to a function call. To suppress all arguments, use C<-1> or C<'0 but true'>.

Defaults to C<8>.

```
=head2 $Carp::Verbose
```

This variable makes `C<carp()>` and `C<croak()>` generate stack backtraces just like `C<cluck()>` and `C<confess()>`. This is how `C<use Carp 'verbose'>` is implemented internally.

Defaults to `C<0>`.

```
=head2 $Carp::RefArgFormatter
```

This variable sets a general argument formatter to display references. Plain scalars and objects that implement `C<CARP_TRACE>` will not go through this formatter. Calling `C<Carp>` from within this function is not supported.

```
local $Carp::RefArgFormatter = sub {  
    require Data::Dumper;  
    Data::Dumper::Dump($_[0]); # not necessarily safe  
};
```

```
=head2 @CARP_NOT
```

This variable, `I<in your package>`, says which packages are `I<not>` to be considered as the location of an error. The `C<carp()>` and `C<cluck()>` functions will skip over callers when reporting where an error occurred.

NB: This variable must be in the package's symbol table, thus:

```
# These work  
our @CARP_NOT; # file scope  
use vars qw(@CARP_NOT); # package scope  
@My::Package::CARP_NOT = ... ; # explicit package variable  
  
# These don't work  
sub xyz { ...  
@CARP_NOT = ... } # w/o declarations above  
my @CARP_NOT; # even at top-level
```

Example of use:

```
package My::Carping::Package;  
use Carp;  
our @CARP_NOT;  
sub bar { ... or _error('Wrong input') }  
sub _error {  
    # temporary control of where'ness, __PACKAGE__ is implicit  
    local @CARP_NOT = qw(My::Friendly::Caller);
```

```
    carp(@_)
}
```

This would make C<Carp> report the error as coming from a caller not in C<My::Carping::Package>, nor from C<My::Friendly::Caller>.

Also read the L</DESCRIPTION> section above, about how C<Carp> decides where the error is reported from.

Use C<@CARP_NOT>, instead of C<\$Carp::CarpLevel>.

Overrides C<Carp>'s use of C<@ISA>.

```
=head2 %Carp::Internal
```

This says what packages are internal to Perl. C<Carp> will never report an error as being from a line in a package that is internal to Perl. For example:

```
$Carp::Internal{ (__PACKAGE__) }++;
# time passes...
sub foo { ... or confess("whatever") };
```

would give

a full stack backtrace starting from the first caller outside of `__PACKAGE__`. (Unless that package was also internal to Perl.)

```
=head2 %Carp::CarpInternal
```

This says which packages are internal to Perl's warning system. For generating a full stack backtrace this is the same as being internal to Perl, the stack backtrace will not start inside packages that are listed in C<%Carp::CarpInternal>. But it is slightly different for the summary message generated by C<carp> or C<croak>. There errors will not be reported on any lines that are calling packages in C<%Carp::CarpInternal>.

For example C<Carp> itself is listed in C<%Carp::CarpInternal>. Therefore the full stack backtrace from C<confess> will not start inside of C<Carp>, and the short message from calling C<croak> is not placed on the line where C<croak> was called.

```
=head2 $Carp::CarpLevel
```

This variable determines how many additional call frames are to be skipped that would not otherwise be when reporting where an error occurred

on a call to one of C<Carp>'s functions. It is fairly easy to count these call frames on calls that generate a full stack backtrace. However it is much harder to do this accounting for calls that generate a short message. Usually people skip too many call frames. If they are lucky they skip enough that C<Carp> goes all of the way through the call stack, realizes that something is wrong, and then generates a full stack backtrace. If they are unlucky then the error is reported from somewhere misleading very high in the call stack.

Therefore it is best to avoid C<\$Carp::CarpLevel>. Instead use C<@CARP_NOT>, C<%Carp::Internal> and C<%Carp::CarpInternal>.

Defaults to C<0>.

=head1 BUGS

The Carp routines don't handle exception objects currently. If called with a first argument that is a reference, they simply call die() or warn(), as appropriate.

=head1 SEE ALSO

L<Carp::Always>,
L<Carp::Clan>

=head1 AUTHOR

The Carp module first appeared in Larry Wall's perl 5.000 distribution. Since then it has been modified by several of the perl 5 porters. Andrew Main (Zefram) <zefram@fysh.org> divested Carp into an independent distribution.

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* /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-archive-6G9eXuF1/Carp-1.38.tar.gz-cosi-expand-archive-ok6zis0t/Carp-1.38/lib/Carp.pm

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548115_1591901898.54/0/perl-Carp-1.42-396.el8.src.rpm-cosi-expand-archive-6G9eXuF1/perl-Carp.spec

No license file was found, but licenses were detected in source scan.

NAME

Carp - alternative warn and die for modules

DESCRIPTION

The Carp routines are useful in your own modules because they act like die() or warn(), but with a message which is more likely to be useful to a user of your module. In the case of cluck, confess, and longmess that context is a summary of every call in the call-stack. For a shorter message you can use carp or croak which report the error as being from where your module was called. There is no guarantee that that is where the error was, but it is a good educated guess.

You can also alter the way the output and logic of Carp works, by changing some global variables in the Carp namespace.

INSTALLATION

```
perl Makefile.PL
make
make test
make install
```

AUTHOR

The Carp module first appeared in Larry Wall's perl 5.000 distribution. Since then it has been modified by several of the perl 5 porters. Andrew Main (Zefram) <zefram@fysh.org> divested Carp into an independent distribution.

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1.48 perl-constant 1.33-396.el8

1.48.1 Available under license :

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NAME

constant - Perl pragma to declare constants

DESCRIPTION

This pragma allows you to declare constants at compile-time.

When a constant is used in an expression, Perl replaces it with its value at compile time, and may then optimize the expression further.

In particular, any code in an "if (CONSTANT)" block will be optimized away if the constant is false.

INSTALLATION

To install this module, run the following commands:

```
perl Makefile.PL
make
make test
make install
```

Alternatively, to install with Module::Build, you can use the following commands:

```
perl Build.PL
./Build
./Build test
./Build install
```

SUPPORT AND DOCUMENTATION

After installing, you can find documentation for this module with the perldoc command.

perldoc constant

You can also look for information at:

Search CPAN

<http://search.cpan.org/dist/constant>

CPAN Request Tracker:

<http://rt.cpan.org/Dist/Display.html?Name=constant>

AnnoCPAN, annotated CPAN documentation:

<http://annocpan.org/dist/constant>

CPAN Ratings:

<http://cpanratings.perl.org/d/constant>

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* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/constant-1.27.tar.gz-cosi-expand-archive-jvagHUVh/constant-1.27/README

No license file was found, but licenses were detected in source scan.

abstract: 'Perl pragma to declare constants'

author:

- 'SÃ©bastien Aperghis-Tramoni <sebastien@aperghis.net>'

build_requires:

Test::More: 0

configure_requires:

Module::Build: 0.2808

dynamic_config: 1

generated_by: 'Module::Build version 0.4003, CPAN::Meta::Converter version 2.120921'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: constant

provides:

constant:

file: lib/constant.pm

version: 1.27

resources:

license: <http://dev.perl.org/licenses/>

version: 1.27

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/constant-1.27.tar.gz-cosi-expand-archive-jvagHUVh/constant-1.27/META.yml

No license file was found, but licenses were detected in source scan.

=head1 NAME

constant - Perl pragma to declare constants

=head1 SYNOPSIS

```
use constant PI => 4 * atan2(1, 1);
```

```
use constant DEBUG => 0;
```

```
print "Pi equals ", PI, "\n" if DEBUG;
```

```
use constant {  
    SEC => 0,  
    MIN => 1,  
    HOUR => 2,  
    MDAY => 3,  
    MON => 4,  
    YEAR => 5,  
    WDAY => 6,  
    YDAY => 7,  
    ISDST => 8,  
};
```

```
use constant WEEKDAYS => qw(  
    Sunday Monday Tuesday Wednesday Thursday Friday Saturday  
);
```

```
print "Today is ", (WEEKDAYS)[ (localtime)[WDAY] ], "\n";
```

=head1 DESCRIPTION

This pragma allows you to declare constants at compile-time.

When you declare a constant such as C<PI> using the method shown above, each machine your script runs upon can have as many digits

of accuracy as it can use. Also, your program will be easier to read, more likely to be maintained (and maintained correctly), and far less likely to send a space probe to the wrong planet because nobody noticed the one equation in which you wrote `C<3.14195>`.

When a constant is used in an expression, Perl replaces it with its value at compile time, and may then optimize the expression further. In particular, any code in an `C<if (CONSTANT)>` block will be optimized away if the constant is false.

=head1 NOTES

As with all `C<use>` directives, defining a constant happens at compile time. Thus, it's probably not correct to put a constant declaration inside of a conditional statement (like `C<if ($foo) { use constant ... }>`).

Constants defined using this module cannot be interpolated into strings like variables. However, concatenation works just fine:

```
print "Pi equals PI...\n";    # WRONG: does not expand "PI"
print "Pi equals ".PI."...\n"; # right
```

Even though a reference may be declared as a constant, the reference may point to data which may be changed, as this code shows.

```
use constant ARRAY => [ 1,2,3,4 ];
print ARRAY->[1];
ARRAY->[1] = " be changed";
print ARRAY->[1];
```

Dereferencing constant references incorrectly (such as using an array subscript on a constant hash reference, or vice versa) will be trapped at compile time.

Constants belong to the package they are defined in. To refer to a constant defined in another package, specify the full package name, as in `C<Some::Package::CONSTANT>`. Constants may be exported by modules, and may also be called as either class or instance methods, that is, as `C<< Some::Package->CONSTANT >>` or as `C<< $obj->CONSTANT >>` where `C<$obj>` is an instance of `C<Some::Package>`. Subclasses may define their own constants to override those in their base class.

The use of all caps for constant names is merely a convention, although it is recommended in order to make constants stand out and to help avoid collisions with other barewords, keywords, and subroutine names. Constant names must begin with a letter or

underscore. Names beginning with a double underscore are reserved. Some poor choices for names will generate warnings, if warnings are enabled at compile time.

=head2 List constants

Constants may be lists of more (or less) than one value. A constant with no values evaluates to C<undef> in scalar context. Note that constants with more than one value do I<not> return their last value in scalar context as one might expect. They currently return the number of values, but B<this may change in the future>. Do not use constants with multiple values in scalar context.

B<NOTE:> This implies that the expression defining the value of a constant is evaluated in list context. This may produce surprises:

```
use constant TIMESTAMP => localtime;      # WRONG!
use constant TIMESTAMP => scalar localtime; # right
```

The first line above defines C<TIMESTAMP> as a 9-element list, as returned by C<localtime()> in list context. To set it to the string returned by C<localtime()> in scalar context, an explicit C<scalar> keyword is required.

List constants are lists, not arrays. To index or slice them, they must be placed in parentheses.

```
my @workdays = WEEKDAYS[1 .. 5];      # WRONG!
my @workdays = (WEEKDAYS)[1 .. 5];    # right
```

=head2 Defining multiple constants at once

Instead of writing multiple C<use constant> statements, you may define multiple constants in a single statement by giving, instead of the constant name, a reference to a hash where the keys are the names of the constants to be defined. Obviously, all constants defined using this method must have a single value.

```
use constant {
    FOO => "A single value",
    BAR => "This", "won't", "work!",    # Error!
};
```

This is a fundamental limitation of the way hashes are constructed in Perl. The error messages produced when this happens will often be quite cryptic -- in the worst case there may be none at all, and

you'll only later find that something is broken.

When defining multiple constants, you cannot use the values of other constants defined in the same declaration. This is because the calling package doesn't know about any constant within that group until I<after> the C<use> statement is finished.

```
use constant {
    BITMASK => 0xAFBAEBA8,
    NEGMASK => ~BITMASK,      # Error!
};
```

=head2 Magic constants

Magical values and references can be made into constants at compile time, allowing for way cool stuff like this. (These error numbers aren't totally portable, alas.)

```
use constant E2BIG => ($! = 7);
print E2BIG, "\n";      # something like "Arg list too long"
print 0+E2BIG, "\n";   # "7"
```

You can't produce a tied constant by giving a tied scalar as the value. References to tied variables, however, can be used as constants without any problems.

=head1 TECHNICAL NOTES

In the current implementation, scalar constants are actually inlinable subroutines. As of version 5.004 of Perl, the appropriate scalar constant is inserted directly in place of some subroutine calls, thereby saving the overhead of a subroutine call. See L<perlsub/"Constant Functions"> for details about how and when this happens.

In the rare case in which you need to discover at run time whether a particular constant has been declared via this module, you may use this function to examine the hash C<%constant::declared>. If the given constant name does not include a package name, the current package is used.

```
sub declared ($) {
    use constant 1.01;      # don't omit this!
    my $name = shift;
    $name =~ s/^\s*/main::/;
    my $pkg = caller;
```

```
my $full_name = $name =~ /::/? $name : "${pkg}::$name";
$constant::declared{$full_name};
}
```

=head1 CAVEATS

In the current version of Perl, list constants are not inlined and some symbols may be redefined without generating a warning.

It is not possible to have a subroutine or a keyword with the same name as a constant in the same package. This is probably a Good Thing.

A constant with a name in the list C<STDIN STDOUT STDERR ARGV ARGVOUT ENV INC SIG> is not allowed anywhere but in package C<main::>, for technical reasons.

Unlike constants in some languages, these cannot be overridden on the command line or via environment variables.

You can get into trouble if you use constants in a context which automatically quotes barewords (as is true for any subroutine call). For example, you can't say C<\$hash{CONSTANT}> because C<CONSTANT> will be interpreted as a string. Use C<\$hash{CONSTANT()}> or C<\$hash{+CONSTANT}> to prevent the bareword quoting mechanism from kicking in. Similarly, since the C<< => >> operator quotes a bareword immediately to its left, you have to say C<< CONSTANT() => 'value' >> (or simply use a comma in place of the big arrow) instead of C<< CONSTANT => 'value' >>.

=head1 SEE ALSO

L<Readonly> - Facility for creating read-only scalars, arrays, hashes.

L<Attribute::Constant> - Make read-only variables via attribute

L<Scalar::Readonly> - Perl extension to the C<SvREADONLY> scalar flag

L<Hash::Util> - A selection of general-utility hash subroutines (mostly to lock/unlock keys and values)

=head1 BUGS

Please report any bugs or feature requests via the `perlbug(1)` utility.

=head1 AUTHORS

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=head1 COPYRIGHT & LICENSE

Copyright (C) 1997, 1999 Tom Phoenix

This module is free software; you can redistribute it or modify it under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/constant-1.27.tar.gz-cosi-expand-archive-jvagHUVh/constant-1.27/lib/constant.pm

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548089_1591379339.64/0/perl-constant-1.33-396.el8.src.rpm-cosi-expand-archive-m15loNwe/perl-constant.spec

1.49 perl-threads 2.21-2.el8

1.49.1 Available under license :

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548110_1591379892.99/0/perl-threads-2.21-2.el8.src.rpm-cosi-expand-archive-zEPvysjP/threads-2.21.tar.gz-cosi-expand-archive-LaI5P9yQ/threads-2.21/examples/pool_reuse.pl

* /opt/ws_local/PERMITS_SQL/1009548110_1591379892.99/0/perl-threads-2.21-2.el8.src.rpm-cosi-expand-archive-zEPvysjP/threads-2.21.tar.gz-cosi-expand-archive-LaI5P9yQ/threads-2.21/examples/pool.pl

No license file was found, but licenses were detected in source scan.

=head1 NAME

threads - Perl interpreter-based threads

=head1 VERSION

This document describes threads version 2.21

=head1 WARNING

The "interpreter-based threads" provided by Perl are not the fast, lightweight system for multitasking that one might expect or hope for. Threads are implemented in a way that make them easy to misuse. Few people know how to use them correctly or will be able to provide help.

The use of interpreter-based threads in perl is officially L<discouraged|perlpolicy/discouraged>.

=head1 SYNOPSIS

```
use threads ('yield',
            'stack_size' => 64*4096,
            'exit' => 'threads_only',
            'stringify');

sub start_thread {
    my @args = @_;
    print("Thread started: ', join(' ', @args), "\n");
}
my $thr = threads->create('start_thread', 'argument');
$thr->join();

threads->create(sub { print("I am a thread\n"); }->join());
```

```
my $thr2 = async { foreach (@files) { ... } };
$thr2->join();
if (my $err = $thr2->error()) {
    warn("Thread error: $err\n");
}
```

```
# Invoke thread in list context (implicit) so it can return a list
my ($thr) = threads->create(sub { return (qw/a b c/); });
# or specify list context explicitly
my $thr = threads->create({'context' => 'list'},
                          sub { return (qw/a b c/); });
```

```

my @results = $thr->join();

$thr->detach();

# Get a thread's object
$thr = threads->self();
$thr = threads->object($tid);

# Get a thread's ID
$tid = threads->tid();
$tid = $thr->tid();
$tid = "$thr";

# Give other threads a chance to run
threads->yield();
yield();

# Lists of non-detached threads
my @threads = threads->list();
my $thread_count = threads->list();

my @running = threads->list(threads::running);
my @joinable = threads->list(threads::joinable);

# Test thread objects
if
($thr1 == $thr2) {
    ...
}

# Manage thread stack size
$stack_size = threads->get_stack_size();
$old_size = threads->set_stack_size(32*4096);

# Create a thread with a specific context and stack size
my $thr = threads->create({ 'context' => 'list',
                          'stack_size' => 32*4096,
                          'exit' => 'thread_only' },
                        \&foo);

# Get thread's context
my $wantarray = $thr->wantarray();

# Check thread's state
if ($thr->is_running()) {
    sleep(1);
}
if ($thr->is_joinable()) {

```



```

    $thr->join();
}

# Send a signal to a thread
$thr->kill('SIGUSR1');

# Exit a thread
threads->exit();

```

=head1 DESCRIPTION

Since Perl 5.8, thread programming has been available using a model called `I<interpreter threads>` which provides a new Perl interpreter for each thread, and, by default, results in no data or state information being shared between threads.

(Prior to Perl 5.8, `I<5005threads>` was available through the `C<Thread.pm>` API. This threading model has been deprecated, and was removed as of Perl 5.10.0.)

As just mentioned, all variables are, by default, thread local. To use shared variables, you need to also load `L<threads::shared>`:

```

use threads;
use threads::shared;

```

When loading `L<threads::shared>`, you must `C<use threads>` before you `C<use threads::shared>`. (`C<threads>` will emit a warning if you do it the other way around.)

It is strongly recommended that you enable threads via `C<use threads>` as early as possible in your script.

If needed, scripts can be written so as to run on both threaded and non-threaded Perls:

```

my $can_use_threads = eval 'use threads; 1';
if ($can_use_threads) {
    # Do processing using threads
    ...
} else {
    # Do it without using threads
    ...
}

```

=over

=item \$thr = threads->create(FUNCTION, ARGS)

This will create a new thread that will begin execution with the specified entry point function, and give it the I<ARGS> list as parameters. It will return the corresponding threads object, or C<undef> if thread creation failed.

I<FUNCTION> may either be the name of a function, an anonymous subroutine, or a code ref.

```
my $thr = threads->create('func_name', ...);
# or
my $thr = threads->create(sub { ... }, ...);
# or
my $thr = threads->create(\&func, ...);
```

The C<-E<gt>new()> method is an alias for C<-E<gt>create()>.

```
=item $thr->join()
```

This will wait for the corresponding thread to complete its execution. When the thread finishes, C<-E<gt>join()> will return the return value(s) of the entry point function.

The context (void, scalar or list) for the return value(s) for C<-E<gt>join()> is determined at the time of thread creation.

```
# Create thread in list context (implicit)
my ($thr1) = threads->create(sub {
    my @results = qw(a b c);

    return (@results);
});
# or (explicit)
my $thr1 = threads->create({'context' => 'list'},
    sub {
        my @results = qw(a b c);
        return (@results);
    });
# Retrieve list results from thread
my @res1 = $thr1->join();

# Create thread in scalar context (implicit)
my $thr2 = threads->create(sub {
    my $result = 42;
    return ($result);
});
# Retrieve scalar result from thread
my $res2 = $thr2->join();
```

```

# Create a thread in void context (explicit)
my $thr3 = threads->create({'void' => 1},
                          sub { print("Hello, world\n"); });
# Join the thread in void context (i.e., no return value)
$thr3->join();

```

See L<"THREAD CONTEXT"> for more details.

If the program exits without all threads having either been joined or detached, then a warning will be issued.

Calling C<-E<gt>join()> or C<-E<gt>detach()> on an already joined thread will cause an error to be thrown.

```
=item $thr->detach()
```

Makes the thread unjoinable, and causes any eventual return value to be discarded. When the program exits, any detached threads that are still running are silently terminated.

If the program exits without all threads having either been joined or detached, then a warning will be issued.

Calling C<-E<gt>join()> or C<-E<gt>detach()> on an already detached thread will cause an error to be thrown.

```
=item threads->detach()
```

Class method that allows a thread to detach itself.

```
=item threads->self()
```

Class method that allows a thread to obtain its own I<threads> object.

```
=item $thr->tid()
```

Returns the ID of the thread. Thread IDs are unique integers with the main thread in a program being 0, and incrementing by 1 for every thread created.

```
=item threads->tid()
```

Class

method that allows a thread to obtain its own ID.

```
=item "$thr"
```

If you add the `C<stringify>` import option to your `C<use threads>` declaration, then using a threads object in a string or a string context (e.g., as a hash key) will cause its ID to be used as the value:

```
use threads qw(stringify);

my $thr = threads->create(...);
print("Thread $thr started\n"); # Prints: Thread 1 started
```

```
=item threads->object($tid)
```

This will return the `I<threads>` object for the `I<active>` thread associated with the specified thread ID. If `C<$tid>` is the value for the current thread, then this call works the same as `C<-E<gt>self()`. Otherwise, returns `C<undef>` if there is no thread associated with the TID, if the thread is joined or detached, if no TID is specified or if the specified TID is `undef`.

```
=item threads->yield()
```

This is a suggestion to the OS to let this thread yield CPU time to other threads. What actually happens is highly dependent upon the underlying thread implementation.

You

may do `C<use threads qw(yield)>`, and then just use `C<yield()` in your code.

```
=item threads->list()
```

```
=item threads->list(threads::all)
```

```
=item threads->list(threads::running)
```

```
=item threads->list(threads::joinable)
```

With no arguments (or using `C<threads::all>`) and in a list context, returns a list of all non-joined, non-detached `I<threads>` objects. In a scalar context, returns a count of the same.

With a `I<>true>` argument (using `C<threads::running>`), returns a list of all non-joined, non-detached `I<threads>` objects that are still running.

With a `I<>false>` argument (using `C<threads::joinable>`), returns a list of all non-joined, non-detached `I<threads>` objects that have finished running (i.e., for which `C<-E<gt>join()` will not `I<block>`).

```
=item $thr1->equal($thr2)
```

Tests if two threads objects are the same thread or not. This is overloaded to the more natural forms:

```
if ($thr1 == $thr2) {
    print("Threads are the same\n");
}
# or
if ($thr1 != $thr2)
{
    print("Threads differ\n");
}
```

(Thread comparison is based on thread IDs.)

=item `async BLOCK`;

`C<async>` creates a thread to execute the block immediately following it. This block is treated as an anonymous subroutine, and so must have a semicolon after the closing brace. Like `C<threads-E<gt>create()`, `C<async>` returns a `I<threads>` object.

=item `$thr->error()`

Threads are executed in an `C<eval>` context. This method will return `C<undef>` if the thread terminates `I<normally>`. Otherwise, it returns the value of `C<$@>` associated with the thread's execution status in its `C<eval>` context.

=item `$thr->_handle()`

This `I<private>` method returns a pointer (i.e., the memory location expressed as an unsigned integer) to the internal thread structure associated with a threads object. For Win32, this is a pointer to the `C<HANDLE>` value returned by `C<CreateThread>` (i.e., `C<HANDLE *>`); for other platforms, it is a pointer to the `C<pthread_t>` structure used in the `C<pthread_create>` call (i.e., `C<pthread_t *>`).

This method is of no use for general Perl threads programming. Its intent is to provide other (XS-based) thread modules with the capability to access, and possibly manipulate, the underlying thread structure associated with a Perl thread.

=item `threads->_handle()`

Class method that allows a thread to obtain its own `I<handle>`.

=back

=head1 EXITING A THREAD

The usual method for terminating a thread is to `L<return()|perlfunc/"return EXPR">` from the entry point function with the appropriate return value(s).

=over

=item `threads->exit()`

If needed, a thread can be exited at any time by calling `C<threads-E<gt>exit()>`. This will cause the thread to return `C<undef>` in a scalar context, or the empty list in a list context.

When called from the `I<main>` thread, this behaves the same as `C<exit(0)>`.

=item `threads->exit(status)`

When called from a thread, this behaves like `C<threads-E<gt>exit()>` (i.e., the exit status code is ignored).

When called from the `I<main>` thread, this behaves the same as `C<exit(status)>`.

=item `die()`

Calling `C<die()>` in a thread indicates an abnormal exit for the thread. Any `C<$_SIG{__DIE__}>` handler in the thread will be called first, and then the thread will exit with a warning message that will contain any arguments passed in the `C<die()>` call.

=item `exit(status)`

Calling `L<exit()|perlfunc/"exit EXPR">` inside a thread causes the whole application to terminate. Because of this, the use of `C<exit()>` inside threaded code, or in modules that might be used in threaded applications, is strongly discouraged.

If `C<exit()>` really is needed, then consider using the following:

```
threads->exit() if threads->can('exit'); # Thread friendly
exit(status);
```

=item use `threads 'exit' => 'threads_only'`

This globally overrides the default behavior of calling `C<exit()>` inside a thread, and effectively causes such calls to behave the same as `C<threads-E<gt>exit()>`. In other words, with this setting, calling `C<exit()>`

causes
only the thread to terminate.

Because of its global effect, this setting should not be used inside modules or the like.

The I<main> thread is unaffected by this setting.

```
=item threads->create({'exit' => 'thread_only'}, ...)
```

This overrides the default behavior of C<exit()> inside the newly created thread only.

```
=item $thr->set_thread_exit_only(boolean)
```

This can be used to change the I<exit thread only> behavior for a thread after it has been created. With a I<true> argument, C<exit()> will cause only the thread to exit. With a I<false> argument, C<exit()> will terminate the application.

The I<main> thread is unaffected by this call.

```
=item threads->set_thread_exit_only(boolean)
```

Class method for use inside a thread to change its own behavior for C<exit()>.

The I<main> thread is unaffected by this call.

```
=back
```

```
=head1 THREAD STATE
```

The following boolean methods are useful in determining the I<state> of a thread.

```
=over
```

```
=item $thr->is_running()
```

Returns true if a thread is still running (i.e., if its entry point function has not yet finished or exited).

```
=item $thr->is_joinable()
```

Returns true if the thread has finished running, is not detached and has not yet been joined. In other words, the thread is ready to be joined, and a call to C<\$thr->join()> will not I<block>.

```
=item $thr->is_detached()
```

Returns true if the thread has been detached.

```
=item threads->is_detached()
```

Class method that allows a thread to determine whether or not it is detached.

```
=back
```

```
=head1 THREAD CONTEXT
```

As with subroutines, the type of value returned from a thread's entry point function may be determined by the thread's I<context>: list, scalar or void.

The thread's context is determined at thread creation. This is necessary so that the context is available to the entry point function via

L<wantarray()|perlfunc/"wantarray">. The thread may then specify a value of the appropriate type to be returned from C<-E<gt>join()>.

```
=head2 Explicit context
```

Because thread creation

and thread joining may occur in different contexts, it

may be desirable to state the context explicitly to the thread's entry point

function. This may be done by calling C<-E<gt>create()> with a hash reference as the first argument:

```
my $thr = threads->create({'context' => 'list'}, \&foo);  
...  
my @results = $thr->join();
```

In the above, the threads object is returned to the parent thread in scalar context, and the thread's entry point function C<foo> will be called in list (array) context such that the parent thread can receive a list (array) from the C<-E<gt>join()> call. (C<'array'> is synonymous with C<'list'>.)

Similarly, if you need the threads object, but your thread will not be returning a value (i.e., I<void> context), you would do the following:

```
my $thr = threads->create({'context' => 'void'}, \&foo);  
...  
$thr->join();
```

The context type may also be used as the I<key> in the hash reference followed by a I<true> value:

```
threads->create({'scalar' =>
```



```
1 }, \&foo);  
...  
my ($thr) = threads->list();  
my $result = $thr->join();
```

=head2 Implicit context

If not explicitly stated, the thread's context is implied from the context of the `C<-E<gt>create()` call:

```
# Create thread in list context  
my ($thr) = threads->create(...);
```

```
# Create thread in scalar context  
my $thr = threads->create(...);
```

```
# Create thread in void context  
threads->create(...);
```

=head2 \$thr->wantarray()

This returns the thread's context in the same manner as `L<wantarray()|perlfunc/"wantarray">`.

=head2 threads->wantarray()

Class method to return the current thread's context. This returns the same value as running `L<wantarray()|perlfunc/"wantarray">` inside the current thread's entry point function.

=head1 THREAD STACK SIZE

The default per-thread stack size for different platforms varies significantly, and is almost always far more than is needed for most applications. On Win32, Perl's makefile explicitly sets the default stack to 16

MB; on most other platforms, the system default is used, which again may be much larger than is needed.

By tuning the stack size to more accurately reflect your application's needs, you may significantly reduce your application's memory usage, and increase the number of simultaneously running threads.

Note that on Windows, address space allocation granularity is 64 KB, therefore, setting the stack smaller than that on Win32 Perl will not save any more memory.

=over

```
=item threads->get_stack_size();
```

Returns the current default per-thread stack size. The default is zero, which means the system default stack size is currently in use.

```
=item $size = $thr->get_stack_size();
```

Returns the stack size for a particular thread. A return value of zero indicates the system default stack size was used for the thread.

```
=item $old_size = threads->set_stack_size($new_size);
```

Sets a new default per-thread stack size, and returns the previous setting.

Some platforms have a minimum thread stack size.

Trying to set the stack size

below this value will result in a warning, and the minimum stack size will be used.

Some Linux platforms have a maximum stack size. Setting too large of a stack size will cause thread creation to fail.

If needed, C<\$new_size> will be rounded up to the next multiple of the memory page size (usually 4096 or 8192).

Threads created after the stack size is set will then either call C<pthread_attr_setstacksize()> I<(for pthreads platforms)>, or supply the stack size to C<CreateThread()> I<(for Win32 Perl)>.

(Obviously, this call does not affect any currently extant threads.)

```
=item use threads ('stack_size' => VALUE);
```

This sets the default per-thread stack size at the start of the application.

```
=item $ENV{'PERL5_ITHREADS_STACK_SIZE'}
```

The default per-thread stack size may be set at the start of the application through the use of the environment variable C<PERL5_ITHREADS_STACK_SIZE>:

```
PERL5_ITHREADS_STACK_SIZE=1048576
export PERL5_ITHREADS_STACK_SIZE
perl -e'use threads; print(threads->get_stack_size(), "\n")'
```

This value overrides any C<stack_size> parameter given to C<use threads>. Its primary purpose is to permit setting the per-thread stack size for legacy threaded applications.

```
=item threads->create({'stack_size' => VALUE}, FUNCTION, ARGS)
```

To specify a particular stack size for any individual thread, call `C<-E<gt>create()` with a hash reference as the first argument:

```
my $thr = threads->create({'stack_size' => 32*4096},
    \&foo, @args);
```

```
=item $thr2 = $thr1->create(FUNCTION, ARGS)
```

This creates a new thread (`C<$thr2>`) that inherits the stack size from an existing thread (`C<$thr1>`). This is shorthand for the following:

```
my $stack_size = $thr1->get_stack_size();
my $thr2 = threads->create({'stack_size' => $stack_size},
    FUNCTION, ARGS);
```

```
=back
```

```
=head1 THREAD SIGNALLING
```

When `safe signals` is in effect (the default behavior - see [L</"Unsafe signals">](#) for more details), then signals may be sent and acted upon by individual threads.

```
=over 4
```

```
=item $thr->kill('SIG...');
```

Sends the specified signal to the thread. Signal names and (positive) signal numbers are the same as those supported by `L<kill()|perlfunc/"kill SIGNAL, LIST">`. For example, `'SIGTERM'`, `'TERM'` and (depending on the OS) `15` are all valid arguments to `C<-E<gt>kill()`.

Returns the thread object to allow for method chaining:

```
$thr->kill('SIG...')->join();
```

```
=back
```

Signal handlers need to be set up in the threads for the signals they are expected to act upon. Here's an example for `I<cancelling>` a thread:

```
use threads;
```

```
sub thr_func
```

```

{
  # Thread 'cancellation' signal handler
  $SIG{'KILL'} = sub { threads->exit(); };

  ...
}

# Create a thread
my $thr = threads->create('thr_func');

...

# Signal the thread to terminate, and then detach
# it so that it will get cleaned up automatically
$thr->kill('KILL')->detach();

```

Here's another simplistic example that illustrates the use of thread signalling in conjunction with a semaphore to provide rudimentary I<suspend> and I<resume> capabilities:

```

use threads;
use Thread::Semaphore;

sub thr_func
{
  my $sema = shift;

  # Thread 'suspend/resume' signal handler
  $SIG{'STOP'} = sub {
    $sema->down(); # Thread suspended
    $sema->up();   # Thread resumes
  };

  ...
}

# Create a semaphore and pass it to a thread
my $sema = Thread::Semaphore->new();
my $thr = threads->create('thr_func', $sema);

# Suspend the thread
$sema->down();
$thr->kill('STOP');

...

# Allow the thread to continue

```

```
$sema->up();
```

CAVEAT: The thread signalling capability provided by this module does not actually send signals via the OS. It I<emulates> signals at the Perl-level such that signal handlers are called in the appropriate thread. For example, sending C<\$thr-E<gt>kill('STOP')> does not actually suspend a thread (or the whole process), but does cause a C<SIG{'STOP'}> handler to be called in that thread (as illustrated above).

As such, signals that would normally not be appropriate to use in the C<kill()> command (e.g., C<kill('KILL', \$\$)>) are okay to use with the C<-E<gt>kill()> method (again, as illustrated above).

Correspondingly, sending a signal to a thread does not disrupt the operation the thread is currently working on: The signal will be acted upon after the current operation has completed. For instance, if the thread is I<stuck> on an I/O call, sending it a signal will not cause the I/O call to be interrupted such that the signal is acted up immediately.

Sending a signal to a terminated/finished thread is ignored.

=head1 WARNINGS

=over 4

=item Perl exited with active threads:

If the program exits without all threads having either been joined or detached, then this warning will be issued.

NOTE: If the I<main> thread exits, then this warning cannot be suppressed using C<no warnings 'threads';> as suggested below.

=item Thread creation failed: pthread_create returned #

See the appropriate I<man> page for C<pthread_create> to determine the actual cause for the failure.

=item Thread # terminated abnormally: ...

A thread terminated in some manner other than just returning from its entry point function, or by using C<threads-E<gt>exit()>. For example, the thread may have terminated because of an error, or by using C<die>.

=item Using minimum thread stack size of #

Some platforms have a minimum thread stack size. Trying to set the stack size below this value will result in the above warning, and the stack size will be set to the minimum.

=item Thread creation failed: pthread_attr_setstacksize(I<SIZE>) returned 22

The specified I<SIZE> exceeds the system's maximum stack size. Use a smaller value for the stack size.

=back

If needed, thread warnings can be suppressed by using:

```
no warnings  
'threads';
```

in the appropriate scope.

=head1 ERRORS

=over 4

=item This Perl not built to support threads

The particular copy of Perl that you're trying to use was not built using the C<useithreads> configuration option.

Having threads support requires all of Perl and all of the XS modules in the Perl installation to be rebuilt; it is not just a question of adding the L<threads> module (i.e., threaded and non-threaded Perls are binary incompatible).

=item Cannot change stack size of an existing thread

The stack size of currently extant threads cannot be changed, therefore, the following results in the above error:

```
$thr->set_stack_size($size);
```

=item Cannot signal threads without safe signals

Safe signals must be in effect to use the C<-E<gt>kill()> signalling method. See L<"/>Unsafe signals"> for more details.

=item Unrecognized signal name: ...

The particular copy of Perl that you're trying to use does not support the specified signal being used in a C<-E<gt>kill()> call.

=back

=head1

BUGS AND LIMITATIONS

Before you consider posting a bug report, please consult, and possibly post a message to the discussion forum to see if what you've encountered is a known problem.

=over

=item Thread-safe modules

See [L<perlmod/"Making your module threadsafe">](#) when creating modules that may be used in threaded applications, especially if those modules use non-Perl data, or XS code.

=item Using non-thread-safe modules

Unfortunately, you may encounter Perl modules that are not `I<thread-safe>`. For example, they may crash the Perl interpreter during execution, or may dump core on termination. Depending on the module and the requirements of your application, it may be possible to work around such difficulties.

If the module will only be used inside a thread, you can try loading the module from inside the thread entry point function using `C<require>` (and `C<import>` if needed):

```
sub thr_func
{
    require Unsafe::Module
    # Unsafe::Module->import(...);

    ....
}
```

If the module is needed inside the `I<main>` thread, try modifying your application so that the module is loaded (again using `C<require>` and `C<-E<gt>import()>`) after any threads are started, and in such a way that no other threads are started afterwards.

If the above does not work, or is not adequate for your application, then file a bug report on [L<http://rt.cpan.org/Public/>](http://rt.cpan.org/Public/) against the problematic module.

=item Memory consumption

On most systems, frequent and continual creation and destruction of threads

can lead to ever-increasing growth in the memory footprint of the Perl interpreter. While it is simple to just launch threads and then `C<-E<gt>join()` or `C<-E<gt>detach()` them, for long-lived applications, it is better to maintain a pool of threads, and to reuse them for the work needed, using `L<queues|Thread::Queue>` to notify threads of pending work. The CPAN distribution of this module contains a simple example (`F<examples/pool_reuse.pl>`) illustrating the creation, use and monitoring of a pool of `I<reusable>` threads.

=item Current working directory

On all platforms except MSWin32, the setting for the current working directory is shared among all threads such that changing it in one thread (e.g., using `C<chdir()`) will affect all the threads in the application.

On MSWin32, each thread maintains its own the current working directory setting.

=item Environment variables

Currently, on all platforms except MSWin32, all `I<system>` calls (e.g., using `C<system()` or back-ticks) made from threads use the environment variable settings from the `I<main>` thread. In other words, changes made to `C<%ENV>` in a thread will not be visible in `I<system>` calls made by that thread.

To work around this, set environment variables as part of the `I<system>` call. For example:

```
my $msg = 'hello';
system("FOO=$msg; echo \${FOO}"); # Outputs 'hello' to STDOUT
```

On MSWin32, each thread maintains its own set of environment variables.

=item Catching signals

Signals

are `I<caught>` by the main thread (thread ID = 0) of a script. Therefore, setting up signal handlers in threads for purposes other than `L</"THREAD SIGNALLING">` as documented above will not accomplish what is intended.

This is especially true if trying to catch `C<SIGALRM>` in a thread. To handle alarms in threads, set up a signal handler in the main thread, and then use `L</"THREAD SIGNALLING">` to relay the signal to the thread:

```
# Create thread with a task that may time out
my $thr = threads->create(sub {
```



```

threads->yield();
eval {
    $SIG{ALRM} = sub { die("Timeout\n"); };
    alarm(10);
    ... # Do work here
    alarm(0);
};
if ($@ =~ /Timeout/) {
    warn("Task in thread timed out\n");
}
};

```

```

# Set signal handler to relay SIGALRM to thread
$SIG{ALRM} = sub { $thr->kill('ALRM') };

```

```

... # Main thread continues working

```

=item Parent-child threads

On some platforms, it might not be possible to destroy I<parent> threads while there are still existing I<child> threads.

=item Unsafe signals

Since Perl 5.8.0, signals have been made safer in Perl by postponing their handling until the interpreter is in a I<safe> state. See L<perl58delta/"Safe Signals"> and L<perlipc/"Deferred Signals (Safe Signals)"> for more details.

Safe signals is the default behavior, and the old, immediate, unsafe signalling behavior is only in effect in the following situations:

=over 4

=item * Perl has been built with C<PERL_OLD_SIGNALS> (see C<perl -V>).

=item * The environment variable C<PERL_SIGNALS> is set to C<unsafe> (see L<perlrun/"PERL_SIGNALS">).

=item * The module L<Perl::Unsafe::Signals> is used.

=back

If unsafe signals is in effect, then signal handling is not thread-safe, and the C<-E<gt>kill()> signalling method cannot be used.

=item Identity of objects returned from threads

When a value is returned from a thread through a C<join> operation, the value and everything that it references is copied across to the joining thread, in much the same way that values are copied upon thread creation. This works fine for most kinds of value, including arrays, hashes, and subroutines. The copying recurses through array elements, reference scalars, variables closed over by subroutines, and other kinds of reference.

However, everything referenced by the returned value is a fresh copy in the joining thread, even if a returned object had in the child thread been a copy of something that previously existed in the parent thread. After joining, the parent will therefore have a duplicate of each such object. This sometimes matters, especially if the object gets mutated; this can especially matter for private data to which a returned subroutine provides access.

=item Returning blessed objects from threads

Returning blessed objects from threads does not work. Depending on the classes involved, you may be able to work around this by returning a serialized version of the object (e.g., using L<Data::Dumper> or L<Storable>), and then reconstituting it in the joining thread. If you're using Perl 5.10.0 or later, and if the class supports L<shared objects|threads::shared/"OBJECTS">, you can pass them via L<shared queues|Thread::Queue>.

=item END blocks in threads

It is possible to add L<END blocks|perlmod/"BEGIN, UNITCHECK, CHECK, INIT and END"> to threads by using L<require|perlfunc/"require VERSION"> or L<eval|perlfunc/"eval EXPR"> with the appropriate code. These C<END> blocks will then be executed when the thread's interpreter is destroyed (i.e., either during a C<-E<gt>join()> call, or at program termination).

However, calling any L<threads> methods in such an C<END> block will most likely I<fail> (e.g., the application may hang, or generate an error) due to mutexes that are needed to control functionality within the L<threads> module.

For this reason, the use of C<END> blocks in threads is B<strongly> discouraged.

=item Open directory handles

In perl 5.14 and higher, on systems other than Windows that do not support the C<fchdir> C function, directory handles (see

L<[opendir|perlfunc/"opendir DIRHANDLE,EXPR">](#)) will not be copied to new threads. You can use the C<d_fchdir> variable in L<[Config.pm|Config](#)> to determine whether your system supports it.

In prior perl versions, spawning threads with open directory handles would crash the interpreter.

L<[perl #75154](#)||<http://rt.perl.org/rt3/Public/Bug/Display.html?id=75154>>

=item Detached threads and global destruction

If the main thread exits while there are detached threads which are still running, then Perl's global destruction phase is not executed because otherwise certain global structures that control the operation of threads and that are allocated in the main thread's memory may get destroyed before the detached thread is destroyed.

If you are using any code that requires the execution of the global destruction phase for clean up (e.g., removing temp files), then do not use detached threads, but rather join all threads before exiting the program.

=item Perl Bugs and the CPAN Version of L<[threads](#)>

Support for threads extends beyond the code in this module (i.e., F<[threads.pm](#)> and F<[threads.xs](#)>), and into the Perl interpreter itself. Older versions of Perl contain bugs that may manifest themselves despite using the latest version of L<[threads](#)> from CPAN. There is no workaround for this other than upgrading to the latest version of Perl.

Even with the latest version of Perl, it is known that certain constructs with threads may result in warning messages concerning leaked scalars or unreferenced scalars. However, such warnings are harmless, and may safely be ignored.

You can search for L<[threads](#)> related bug reports at L<<http://rt.cpan.org/Public/>>. If needed submit any new bugs, problems, patches, etc. to: L<<http://rt.cpan.org/Public/Dist/Display.html?Name=threads>>

=back

=head1 REQUIREMENTS

Perl 5.8.0 or later

=head1 SEE ALSO

threads on MetaCPAN:

L<<https://metacpan.org/release/threads>>

Code

repository for CPAN distribution:

L<<https://github.com/Dual-Life/threads>>

L<[threads::shared](#)>, L<[perlthrtut](#)>

L<<http://www.perl.com/pub/a/2002/06/11/threads.html>> and

L<<http://www.perl.com/pub/a/2002/09/04/threads.html>>

Perl threads mailing list:

L<<http://lists.perl.org/list/ithreads.html>>

Stack size discussion:

L<http://www.perlmonks.org/?node_id=532956>

Sample code in the I<[examples](#)> directory of this distribution on CPAN.

=head1 AUTHOR

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CPAN version produced by Jerry D. Hedden <jdhedden AT cpan DOT org>

=head1 LICENSE

threads is released under the same license as Perl.

=head1 ACKNOWLEDGEMENTS

Richard Soderberg E<lt>perl AT crystalflame DOT netE<gt> -

Helping me out tons, trying to find reasons for races and other weird bugs!

Simon Cozens E<lt>simon AT brecon DOT co DOT ukE<gt> -

Being there to answer zillions of annoying questions

Rocco Caputo E<lt>troc AT netrus DOT netE<gt>

Vipul Ved

Prakash E<lt>mail AT vipul DOT netE<gt> -

Helping with debugging

Dean Arnold E<lt>darnold AT presicient DOT comE<gt> -

Stack size API

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548110_1591379892.99/0/perl-threads-2.21-2.el8.src.rpm-cosi-expand-archive-zEPvysjP/threads-2.21.tar.gz-cosi-expand-archive-LaI5P9yQ/threads-2.21/lib/threads.pm

No license file was found, but licenses were detected in source scan.

/*

ppport.h -- Perl/Pollution/Portability Version 3.32

Automatically created by Devel::PPPort running under perl 5.022001.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.32

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--version show version

--patch=file write one patch file with changes

--copy=suffix write changed copies with suffix

--diff=program use diff program and options

--compat-version=version
provide compatibility with Perl version

--cplusplus accept C++ comments

--quiet don't output anything except fatal errors

--nodiag don't show diagnostics

--nohints don't show hints

--nochanges don't suggest changes

--nofilter don't filter input files

--strip strip all script and doc functionality from
 ppport.h

--list-provided list provided API

--list-unsupported list unsupported API

--api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given,
a single patch file will be created if
any changes are suggested. This requires a working diff program
to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with
the given suffix that contains the suggested changes. This does
not require any external programs. Note that this does not
automagically add a dot between the original filename and the
suffix. If you want the dot, you have to include it in the option
argument.

If neither C<--patch> or C<--copy> are given, the default is to
simply print the diffs for each file. This requires either
C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default
is to use C<Text::Diff>, when installed, and output unified

context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003.

You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This

reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without

increasing their distribution size too much.

The stripped `F<ppport.h>` will have a `C<--unstrip>` option that allows you to undo the stripping, but only if an appropriate `C<Devel::PPPort>` module is installed.

`=head2 --list-provided`

Lists the API elements for which compatibility is provided by `F<ppport.h>`. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

`=head2 --list-unsupported`

Lists the API elements that are known not to be supported by `F<ppport.h>` and below which version of Perl they probably won't be available or work.

`=head2 --api-info=I<name>`

Show portability information for API elements matching `I<name>`. If `I<name>` is surrounded by slashes, it is interpreted as a regular expression.

`=head1 DESCRIPTION`

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

`=over 4`

`=item *`

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

```
perl ppport.h --list-provided
```

to see which API elements are provided by `ppport.h`.

`=item *`

You should avoid using deprecated parts of the API. For example, using global Perl variables without the `C<PL_>` prefix is deprecated. Also, some API functions used to have a `C<perl_>` prefix. Using this form is also deprecated. You can safely use the supported API, as `F<ppport.h>`

will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether your module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

Function / Variable	Static Request	Global Request
PL_parser	NEED_PL_parser	NEED_PL_parser_GLOBAL
PL_signals	NEED_PL_signals	NEED_PL_signals_GLOBAL
caller_cx()	NEED_caller_cx	NEED_caller_cx_GLOBAL
eval_pv()	NEED_eval_pv	NEED_eval_pv_GLOBAL
grok_bin()	NEED_grok_bin	NEED_grok_bin_GLOBAL
grok_hex()	NEED_grok_hex	NEED_grok_hex_GLOBAL
grok_number()	NEED_grok_number	NEED_grok_number_GLOBAL
grok_numeric_radix()	NEED_grok_numeric_radix	NEED_grok_numeric_radix_GLOBAL
grok_oct()	NEED_grok_oct	NEED_grok_oct_GLOBAL
load_module()	NEED_load_module	NEED_load_module_GLOBAL
mg_findext()	NEED_mg_findext	NEED_mg_findext_GLOBAL
my_snprintf()	NEED_my_snprintf	NEED_my_snprintf_GLOBAL
my_sprintf()	NEED_my_sprintf	NEED_my_sprintf_GLOBAL
my_strlcat()	NEED_my_strlcat	NEED_my_strlcat_GLOBAL

my_strncpy()	NEED_my_strncpy	NEED_my_strncpy_GLOBAL
newCONSTSUB()	NEED_newCONSTSUB	NEED_newCONSTSUB_GLOBAL
newRV_noinc()	NEED_newRV_noinc	NEED_newRV_noinc_GLOBAL
newSV_type()	NEED_newSV_type	NEED_newSV_type_GLOBAL
newSVpvn_flags()	NEED_newSVpvn_flags	NEED_newSVpvn_flags_GLOBAL
newSVpvn_share()	NEED_newSVpvn_share	NEED_newSVpvn_share_GLOBAL
pv_display()	NEED_pv_display	NEED_pv_display_GLOBAL
pv_escape()	NEED_pv_escape	NEED_pv_escape_GLOBAL
pv_pretty()	NEED_pv_pretty	NEED_pv_pretty_GLOBAL
sv_2pv_flags()	NEED_sv_2pv_flags	NEED_sv_2pv_flags_GLOBAL
sv_2pvbyte()	NEED_sv_2pvbyte	NEED_sv_2pvbyte_GLOBAL
sv_catpvf_mg()	NEED_sv_catpvf_mg	NEED_sv_catpvf_mg_GLOBAL
sv_catpvf_mg_nocontext()	NEED_sv_catpvf_mg_nocontext	NEED_sv_catpvf_mg_nocontext_GLOBAL
sv_pvn_force_flags()	NEED_sv_pvn_force_flags	NEED_sv_pvn_force_flags_GLOBAL
sv_setpvf_mg()	NEED_sv_setpvf_mg	NEED_sv_setpvf_mg_GLOBAL
sv_setpvf_mg_nocontext()	NEED_sv_setpvf_mg_nocontext	NEED_sv_setpvf_mg_nocontext_GLOBAL
sv_unmagicext()	NEED_sv_unmagicext	NEED_sv_unmagicext_GLOBAL
vload_module()	NEED_vload_module	NEED_vload_module_GLOBAL
vnewSVpvf()	NEED_vnewSVpvf	NEED_vnewSVpvf_GLOBAL
warn()	NEED_warner	NEED_warner_GLOBAL

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most

efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different C<diff> program or options, using the C<--diff> option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

```
perl ppport.h --copy=.new
```

To display portability information for the C<newSVpv<pv> function, use:

```
perl ppport.h --api-info=newSVpv
```

Since the argument to C<--api-info> can be a regular expression, you can use

```
perl ppport.h --api-info=/_nomg$/
```

to display portability information for all C<_nomg> functions or

```
perl ppport.h --api-info=./.
```

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPort> are available on CPAN before sending a bug report.

If `F<ppport.h>` was generated using the latest version of `C<Devel::PPPort>` and is causing failure of this module, please file a bug report here: [L<https://github.com/mhx/Devel-PPPort/issues/>](https://github.com/mhx/Devel-PPPort/issues/)

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the `C<Devel::PPPort>` module from CPAN.

=head1 COPYRIGHT

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=head1 SEE ALSO

See [L<Devel::PPPort>](#).

```

=cut

use strict;

# Disable broken TRIE-optimization
BEGIN { eval '${^RE_TRIE_MAXBUF} = -1' if $] >= 5.009004 && $] <= 5.009005 }

my $VERSION = 3.32;

my %opt = (
  quiet => 0,
  diag => 1,
  hints => 1,
  changes => 1,
  cplusplus => 0,
  filter
    => 1,
  strip => 0,
  version => 0,
);

my($ppport) = $0 =~ /([\w.]+)$/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[\t]";          # horizontal whitespace

# Never use C comments in this file!
my $ccs = '/'. '*';
my $cce = '*'. '/';
my $rcs = quotemeta $ccs;
my $rce = quotemeta $cce;

eval {
  require Getopt::Long;
  Getopt::Long::GetOptions(\%opt, qw(
    help quiet diag! filter! hints! changes! cplusplus strip version
    patch=s copy=s diff=s compat-version=s
    list-provided list-unsupported api-info=s
  )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
  die "Getopt::Long not found. Please don't use any options.\n";
}

if ($opt{version}) {
  print "This is $0 $VERSION.\n";
}

```

```

exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
    my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
    if ($@) {
        die "Invalid version number format: '$opt{'compat-version'}'\n";
    }
    die "Only Perl 5 is supported\n" if $r != 5;
    die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
    $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
    $opt{'compat-version'} = 5;
}

my %API = map { /^(w+)(([^\*])|([^\*])|(w*))$/
    ? ( $1 => {
        ($2          ? ( base    => $2 ) : ()),
        ($3          ? ( todo    => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),
    } )
    : die "invalid spec: $_" } qw(
ASCII_TO_NEED|5.007001|n
AvFILLp|5.004050||p
AvFILL|||
BhkDISABLE|5.021008|
BhkENABLE|5.021008|
BhkENTRY_set|5.021008|
BhkENTRY|||
BhkFLAGS|||
CALL_BLOCK_HOOKS|||
CLASS|||n
CPERLscope|5.005000||p
CX_CURPAD_SAVE|||
CX_CURPAD_SV|||
CopFILEAV|5.006000||p
CopFILEGV_set|5.006000||p
CopFILEGV|5.006000||p
CopFILESV|5.006000||p
CopFILE_set|5.006000||p
CopFILE|5.006000||p
CopSTASHPV_set|5.006000||p

```

CopSTASHPV|5.006000|p
CopSTASH_eq|5.006000|p
CopSTASH_set|5.006000|p
CopSTASH|5.006000|p
CopyD|5.009002|5.004050|p
Copy|||
CvPADLIST||5.008001|
CvSTASH|||
CvWEAKOUTSIDE|||
DEFSV_set|5.010001|p
DEFSV|5.004050|p
END_EXTERN_C|5.005000|p
ENTER|||
ERRSV|5.004050|p
EXTEND|||
EXTERN_C|5.005000|p
F0convert|||n
FREEMPS|||
GIMME_V||5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002|p
G_ARRAY|||
G_DISCARD|||
G_EVAL|||
G_METHOD|5.006001|p
G_NOARGS|||
G_SCALAR|||
G_VOID||5.004000|
GetVars|||
GvAV|||
GvCV|||
GvHV|||
GvSVn|5.009003|p
GvSV|||
Gv_AMupdate||5.011000|
HEf_SVKEY|5.003070|p
HeHASH||5.003070|
HeKEY||5.003070|
HeKLEN||5.003070|
HePV||5.004000|
HeSVKEY_force||5.003070|
HeSVKEY_set||5.004000|
HeSVKEY||5.003070|
HeUTF8|5.010001|5.008000|p
HeVAL||5.003070|
HvENAMELEN||5.015004|
HvENAMEUTF8||5.015004|
HvENAME||5.013007|

HvNAMELEN_get|5.009003||p
HvNAMELEN||5.015004|
HvNAMEUTF8||5.015004|
HvNAME_get|5.009003||p
HvNAME||
INT2PTR|5.006000||p
IN_LOCALE_COMPILETIME|5.007002||p
IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002||p
IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
IVSIZE|5.006000||p
IVTYPE|5.006000||p
IVdf|5.006000||p
LEAVE||
LINKLIST||5.013006|
LVRET||
MARK||
MULTICALL||5.021008|
MUTABLE_PTR|5.010001||p
MUTABLE_SV|5.010001||p
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002|5.004050|p
Move||
NATIVE_TO_NEED||5.007001|n
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav||
Nullch||
Nullcv||
Nullhv||
Nullsv||
OP_CLASS||5.013007|
OP_DESC||5.007003|

OP_NAME|5.007003|
OP_TYPE_IS_OR_WAS|5.019010|
OP_TYPE_IS|5.019007|
ORIGMARK|||
OpHAS_SIBLING|5.021007|
OpSIBLING_set|5.021007|
OpSIBLING|5.021007|
PAD_BASE_SV|||
PAD_CLONE_VARS|||
PAD_COMPNAME_FLAGS|||
PAD_COMPNAME_GEN_set|||
PAD_COMPNAME_GEN|||
PAD_COMPNAME_OURSTASH|||
PAD_COMPNAME_PV|||
PAD_COMPNAME_TYPE|||
PAD_RESTORE_LOCAL|||
PAD_SAVE_LOCAL|||
PAD_SAVE_SETNULLPAD|||
PAD_SETSV|||
PAD_SET_CUR_NOSAVE|||
PAD_SET_CUR|||
PAD_SV1|||
PAD_SV|||
PERLIO_FUNCS_CAST|5.009003|p
PERLIO_FUNCS_DECL|5.009003|p
PERL_ABS|5.008001|p
PERL_BCDVERSION|5.021008|p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001|p
PERL_HASH|5.003070|p
PERL_INT_MAX|5.003070|p
PERL_INT_MIN|5.003070|p
PERL_LONG_MAX|5.003070|p
PERL_LONG_MIN|5.003070|p
PERL_MAGIC_arylen|5.007002|p
PERL_MAGIC_backref|5.007002|p
PERL_MAGIC_bm|5.007002|p
PERL_MAGIC_collxfrm|5.007002|p
PERL_MAGIC_dbfile|5.007002|p
PERL_MAGIC_dbline|5.007002|p
PERL_MAGIC_defelem|5.007002|p
PERL_MAGIC_envelem|5.007002|p
PERL_MAGIC_env|5.007002|p
PERL_MAGIC_ext|5.007002|p
PERL_MAGIC_fm|5.007002|p
PERL_MAGIC_glob|5.021008|p
PERL_MAGIC_isaelem|5.007002|p
PERL_MAGIC_isa|5.007002|p
PERL_MAGIC_mutex|5.021008|p

PERL_MAGIC_nkeys|5.007002||p
PERL_MAGIC_overload_elem|5.021008||p
PERL_MAGIC_overload_table|5.007002||p
PERL_MAGIC_overload|5.021008||p
PERL_MAGIC_pos|5.007002||p
PERL_MAGIC_qr|5.007002||p
PERL_MAGIC_regdata|5.007002||p
PERL_MAGIC_regdatum|5.007002||p
PERL_MAGIC_regex_global|5.007002||p
PERL_MAGIC_shared_scalar|5.007003||p
PERL_MAGIC_shared|5.007003||p
PERL_MAGIC_sigelem|5.007002||p
PERL_MAGIC_sig|5.007002||p
PERL_MAGIC_substr|5.007002||p
PERL_MAGIC_sv|5.007002||p
PERL_MAGIC_taint|5.007002||p
PERL_MAGIC_tiedelem|5.007002||p
PERL_MAGIC_tiedscalar|5.007002||p
PERL_MAGIC_tied|5.007002||p
PERL_MAGIC_utf8|5.008001||p
PERL_MAGIC_uvar_elem|5.007003||p
PERL_MAGIC_uvar|5.007002||p
PERL_MAGIC_vec|5.007002||p
PERL_MAGIC_vstring|5.008001||p
PERL_PV_ESCAPE_ALL|5.009004||p
PERL_PV_ESCAPE_FIRSTCHAR|5.009004||p
PERL_PV_ESCAPE_NOBACKSLASH|5.009004||p
PERL_PV_ESCAPE_NOCLEAR|5.009004||p
PERL_PV_ESCAPE_QUOTE|5.009004||p
PERL_PV_ESCAPE_RE|5.009005||p
PERL_PV_ESCAPE_UNI_DETECT|5.009004||p
PERL_PV_ESCAPE_UNI|5.009004||p
PERL_PV_PRETTY_DUMP|5.009004||p
PERL_PV_PRETTY_ELLIPSES|5.010000||p
PERL_PV_PRETTY_LTGT|5.009004||p
PERL_PV_PRETTY_NOCLEAR|5.010000||p
PERL_PV_PRETTY_QUOTE|5.009004||p
PERL_PV_PRETTY_REGPROP|5.009004||p
PERL_QUAD_MAX|5.003070||p
PERL_QUAD_MIN|5.003070||p
PERL_REVISION|5.006000||p
PERL_SCAN_ALLOW_UNDERSCORES|5.007003||p
PERL_SCAN_DISALLOW_PREFIX|5.007003||p
PERL_SCAN_GREATER_THAN_UV_MAX|5.007003||p
PERL_SCAN_SILENT_ILLDIGIT|5.008001||p
PERL_SHORT_MAX|5.003070||p
PERL_SHORT_MIN|5.003070||p
PERL_SIGNALS_UNSAFE_FLAG|5.008001||p

PERL_SUBVERSION|5.006000||p
PERL_SYS_INIT3|5.006000|
PERL_SYS_INIT|||
PERL_SYS_TERM||5.021008|
PERL_UCHAR_MAX|5.003070||p
PERL_UCHAR_MIN|5.003070||p
PERL_UINT_MAX|5.003070||p
PERL_UINT_MIN|5.003070||p
PERL_ULONG_MAX|5.003070||p
PERL_ULONG_MIN|5.003070||p
PERL_UNUSED_ARG|5.009003||p
PERL_UNUSED_CONTEXT|5.009004||p
PERL_UNUSED_DECL|5.007002||p
PERL_UNUSED_VAR|5.007002||p
PERL_UQUAD_MAX|5.003070||p
PERL_UQUAD_MIN|5.003070||p
PERL_USE_GCC_BRACE_GROUPS|5.009004||p
PERL_USHORT_MAX|5.003070||p
PERL_USHORT_MIN|5.003070||p
PERL_VERSION|5.006000||p
PL_DBsignal|5.005000||p
PL_DBsingle|||pn
PL_DBsub|||pn
PL_DBtrace|||pn
PL_Sv|5.005000||p
PL_bufend|5.021008||p
PL_bufptr|5.021008||p
PL_check|5.006000|
PL_compiling|5.004050||p
PL_comppad_name||5.017004|
PL_comppad||5.008001|
PL_copline|5.021008||p
PL_curcop|5.004050||p
PL_curpad||5.005000|
PL_curstash|5.004050||p
PL_debstash|5.004050||p
PL_defgv|5.004050||p
PL_diehook|5.004050||p
PL_dirty|5.004050||p
PL_dowarn|||pn
PL_errgv|5.004050||p
PL_error_count|5.021008||p
PL_expect|5.021008||p
PL_hexdigit|5.005000||p
PL_hints|5.005000||p
PL_in_my_stash|5.021008||p
PL_in_my|5.021008||p
PL_keyword_plugin||5.011002|

PL_last_in_gv|||n
PL_laststatval|5.005000||p
PL_lex_state|5.021008||p
PL_lex_stuff|5.021008||p
PL_linestr|5.021008||p
PL_modglobal||5.005000|n
PL_na|5.004050||pn
PL_no_modify|5.006000||p
PL_ofsgv|||n
PL_opfreehook||5.011000|n
PL_parser|5.009005||p
PL_peekp||5.007003|n
PL_perl_destruct_level|5.004050||p
PL_perldb|5.004050||p
PL_ppaddr|5.006000||p
PL_rpeekp||5.013005|n
PL_rsfilters|5.021008||p
PL_rsfp|5.021008||p
PL_rs|||n
PL_signals|5.008001||p
PL_stack_base|5.004050||p
PL_stack_sp|5.004050||p
PL_statcache|5.005000||p
PL_stdingv|5.004050||p
PL_sv_arenaroot|5.004050||p
PL_sv_no|5.004050||pn
PL_sv_undef|5.004050||pn
PL_sv_yes|5.004050||pn
PL_tainted|5.004050||p
PL_tainting|5.004050||p
PL_tokenbuf|5.021008||p
POP_MULTICALL||5.021008|
POPi|||n
POPi|||n
POPn|||n
POPpbytex||5.007001|n
POPpx||5.005030|n
POPp|||n
POPs|||n
PTR2IV|5.006000||p
PTR2NV|5.006000||p
PTR2UV|5.006000||p
PTR2nat|5.009003||p
PTR2ul|5.007001||p
PTRV|5.006000||p
PUSHMARK|||
PUSH_MULTICALL||5.021008|
PUSHi|||

PUSHmortal|5.009002||p
PUSHn|||
PUSHp|||
PUSHs|||
PUSHu|5.004000||p
PUTBACK|||
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PadMAX||5.021008|
PadlistARRAY||5.021008|
PadlistMAX||5.021008|
PadlistNAMESARRAY||5.021008|
PadlistNAMESMAX||5.021008|
PadlistNAMES||5.021008|
PadlistREFCNT||5.017004|
PadnameIsOUR|||
PadnameIsSTATE|||
PadnameLEN||5.021008|
PadnameOURSTASH|||
PadnameOUTER|||
PadnamePV||5.021008|
PadnameREFCNT_dec||5.021008|
PadnameREFCNT||5.021008|
PadnameSV||5.021008|
PadnameTYPE|||
PadnameUTF8||5.021007|
PadnamelistARRAY||5.021008|
PadnamelistMAX||5.021008|
PadnamelistREFCNT_dec||5.021008|
PadnamelistREFCNT||5.021008|
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PerlIO_close||5.007003|
PerlIO_context_layers||5.009004|
PerlIO_eof||5.007003|
PerlIO_error||5.007003|
PerlIO_fileno||5.007003|
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PerlIO_stderr|5.007003|
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PoisonFree|5.009004||p
PoisonNew|5.009004||p
PoisonWith|5.009004||p
Poison|5.008000||p
READ_XDIGIT|5.017006|
RETVL||n
Renewc||
Renew||
SAVECLEARSV||
SAVECOMPPAD||
SAVEPADSV||
SAVETMPS||
SAVE_DEFSV|5.004050||p
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SP||
START_EXTERN_C|5.005000||p
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STMT_END||p
STMT_START||p
STR_WITH_LEN|5.009003||p
ST||
SV_CONST_RETURN|5.009003||p
SV_COW_DROP_PV|5.008001||p
SV_COW_SHARED_HASH_KEYS|5.009005||p
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SV_HAS_TRAILING_NUL|5.009004||p
SV_IMMEDIATE_UNREF|5.007001||p
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Safefree|||
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SvCUR|||
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SvIOK_off|||
SvIOK_only_UV|5.006000|
SvIOK_only|||
SvIOK_on|||
SvIOKp|||
SvIOK|||
SvIVX|||
SvIV_nomg|5.009001|p
SvIV_set|||
SvIVx|||
SvIV|||
SvIsCOW_shared_hash|5.008003|
SvIsCOW|5.008003|
SvLEN_set|||
SvLEN|||
SvLOCK|5.007003|
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SvNIOK_off|||
SvNIOKp|||
SvNIOK|||
SvNOK_off|||
SvNOK_only|||
SvNOK_on|||
SvNOKp|||
SvNOK|||

SvNVX|||
SvNV_nomg|5.013002|
SvNV_set|||
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SvNV|||
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SvOOK_offset|5.011000|
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SvPOK_only|||
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SvPOKp|||
SvPOK|||
SvPVX_const|5.009003|p
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SvPVX|||
SvPV_const|5.009003|p
SvPV_flags_const_nolen|5.009003|p
SvPV_flags_const|5.009003|p
SvPV_flags_mutable|5.009003|p
SvPV_flags|5.007002|p
SvPV_force_flags_mutable|5.009003|p
SvPV_force_flags_nolen|5.009003|p
SvPV_force_flags|5.007002|p
SvPV_force_mutable|5.009003|p
SvPV_force_nolen|5.009003|p
SvPV_force_nomg_nolen|5.009003|p
SvPV_force_nomg|5.007002|p
SvPV_force||p
SvPV_mutable|5.009003|p
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SvPVbytex||5.006000|
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SvPVutf8_force|5.006000|
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SvPVutf8x||5.006000|

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SvREFCNT_dec_NN|5.017007|
SvREFCNT_dec|||
SvREFCNT_inc_NN|5.009004||p
SvREFCNT_inc_simple_NN|5.009004||p
SvREFCNT_inc_simple_void_NN|5.009004||p
SvREFCNT_inc_simple_void|5.009004||p
SvREFCNT_inc_simple|5.009004||p
SvREFCNT_inc_void_NN|5.009004||p
SvREFCNT_inc_void|5.009004||p
SvREFCNT_inc|||p
SvREFCNT|||
SvROK_off|||
SvROK_on|||
SvROK|||
SvRV_set|5.009003||p
SvRV|||
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SvSHARED_HASH|5.009003||p
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SvSetMagicSV_nosteal|5.004000|
SvSetMagicSV||5.004000|
SvSetSV_nosteal|5.004000|
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SvUVX|5.004000||p
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SvUV_set|5.009003||p

SvUVx|5.004000||p
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THIS|||n
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UTF8_MAXBYTES|5.009002||p
UVSIZE|5.006000||p
UVTYPE|5.006000||p
UVXf|5.007001||p
UVof|5.006000||p
UVuf|5.006000||p
UVxf|5.006000||p
WARN_ALL|5.006000||p
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sv_catpvf|5.004000|v
sv_catpvn_flags|5.007002|
sv_catpvn_mg|5.004050|p
sv_catpvn_nomg|5.007002|p
sv_catpvn||
sv_catpvs_flags|5.013006|
sv_catpvs_mg|5.013006|
sv_catpvs_nomg|5.013006|
sv_catpvs|5.009003|p
sv_catpv||
sv_catsv_flags|5.007002|
sv_catsv_mg|5.004050|p
sv_catsv_nomg|5.007002|p
sv_catsv||
sv_chop||
sv_clean_all||
sv_clean_objs||
sv_clear||
sv_cmp_flags|5.013006|
sv_cmp_locale_flags|5.013006|
sv_cmp_locale|5.004000|
sv_cmp||
sv_collxfrm_flags|5.013006|
sv_collxfrm||
sv_copypv_flags|5.017002|
sv_copypv_nomg|5.017002|
sv_copypv||
sv_dec_nomg|5.013002|
sv_dec||
sv_del_backref||
sv_derived_from_pvn|5.015004|
sv_derived_from_pv|5.015004|

sv_derived_from_sv|5.015004|
sv_derived_from|5.004000|
sv_destroyable|5.010000|
sv_display|||
sv_does_pvn|5.015004|
sv_does_pv|5.015004|
sv_does_sv|5.015004|
sv_does|5.009004|
sv_dump|||
sv_dup_common|||
sv_dup_inc_multiple|||
sv_dup_inc|||
sv_dup|||
sv_eq_flags|5.013006|
sv_eq|||
sv_exp_grow|||
sv_force_normal_flags|5.007001|
sv_force_normal|5.006000|
sv_free2|||
sv_free_arenas|||
sv_free|||
sv_get_backrefs|5.021008|n
sv_gets|5.003070|
sv_grow|||
sv_i_ncmp|||
sv_inc_nomg|5.013002|
sv_inc|||
sv_insert_flags|5.010001|
sv_insert|||
sv_isa|||
sv_isobject|||
sv_iv|5.005000|
sv_kill_backrefs|||
sv_len_utf8_nomg|||
sv_len_utf8|5.006000|
sv_len|||
sv_magic_portable|5.021008|5.004000|p
sv_magicext_mglob|||
sv_magicext|5.007003|
sv_magic|||
sv_mortalcopy_flags|||
sv_mortalcopy|||
sv_ncmp|||
sv_newmortal|||
sv_newref|||
sv_nolocking|5.007003|
sv_nosharing|5.007003|
sv_nounlocking|||

sv_nv|5.005000|
sv_only_taint_gmagic||n
sv_or_pv_pos_u2b|||
sv_peek|5.005000|
sv_pos_b2u_flags|5.019003|
sv_pos_b2u_midway|||
sv_pos_b2u|5.006000|
sv_pos_u2b_cached|||
sv_pos_u2b_flags|5.011005|
sv_pos_u2b_forwards||n
sv_pos_u2b_midway||n
sv_pos_u2b|5.006000|
sv_pvbyten_force|5.006000|
sv_pvbyten|5.006000|
sv_pvbyte|5.006000|
sv_pvn_force_flags|5.007002||p
sv_pvn_force|||
sv_pvn_nomg|5.007003|5.005000|p
sv_pvn|5.005000|
sv_pvutf8n_force|5.006000|
sv_pvutf8n|5.006000|
sv_pvutf8|5.006000|
sv_pv|5.006000|
sv_recode_to_utf8|5.007003|
sv_reftype|||
sv_ref|||
sv_release_COW|||
sv_replace|||
sv_report_used|||
sv_resetpvn|||
sv_reset|||
sv_rvweaken|5.006000|
sv_sethek|||
sv_setiv_mg|5.004050||p
sv_setiv|||
sv_setnv_mg|5.006000||p
sv_setnv|||
sv_setpv_mg|5.004050||p
sv_setpvf_mg_nocontext|||pvn
sv_setpvf_mg|5.006000|5.004000|pv
sv_setpvf_nocontext|||vn
sv_setpvf|5.004000|v
sv_setpviv_mg|5.008001|
sv_setpviv|5.008001|
sv_setpvn_mg|5.004050||p
sv_setpvn|||
sv_setpvs_mg|5.013006|
sv_setpvs|5.009004||p

sv_setpv|||
sv_setref_iv|||
sv_setref_nv|||
sv_setref_pvn|||
sv_setref_pvs|5.021008|
sv_setref_pv|||
sv_setref_uv|5.007001|
sv_setsv_cow|||
sv_setsv_flags|5.007002|
sv_setsv_mg|5.004050|p
sv_setsv_nomg|5.007002|p
sv_setsv|||
sv_setuv_mg|5.004050|p
sv_setuv|5.004000|p
sv_tainted|5.004000|
sv_taint|5.004000|
sv_true|5.005000|
sv_unglob|||
sv_uni_display|5.007003|
sv_unmagicext|5.013008|p
sv_unmagic|||
sv_unref_flags|5.007001|
sv_unref|||
sv_untaint|5.004000|
sv_upgrade|||
sv_usepvn_flags|5.009004|
sv_usepvn_mg|5.004050|p
sv_usepvn|||
sv_utf8_decode|5.006000|
sv_utf8_downgrade|5.006000|
sv_utf8_encode|5.006000|
sv_utf8_upgrade_flags_grow|5.011000|
sv_utf8_upgrade_flags|5.007002|
sv_utf8_upgrade_nomg|5.007002|
sv_utf8_upgrade|5.007001|
sv_uv|5.005000|p
sv_vcatpvf_mg|5.006000|5.004000|p
sv_vcatpvfn_flags|5.017002|
sv_vcatpvfn|5.004000|
sv_vcatpvf|5.006000|5.004000|p
sv_vsetpvf_mg|5.006000|5.004000|p
sv_vsetpvfn|5.004000|
sv_vsetpvf|5.006000|5.004000|p
svtype|||
swallow_bom|||
swash_fetch|5.007002|
swash_init|5.006000|
swash_scan_list_line|||

swatch_get||
sync_locale|5.021004|
sys_init3|5.010000|n
sys_init|5.010000|n
sys_intern_clear||
sys_intern_dup||
sys_intern_init||
sys_term|5.010000|n
taint_env||
taint_proper||
tied_method||v
tmpr_grow_p||
toFOLD_uni|5.007003|
toFOLD_utf8|5.019001|
toFOLD|5.019001|
toLOWER_L1|5.019001|
toLOWER_LC|5.004000|
toLOWER_uni|5.007003|
toLOWER_utf8|5.015007|
toLOWER||
toTITLE_uni|5.007003|
toTITLE_utf8|5.015007|
toTITLE|5.019001|
toUPPER_uni|5.007003|
toUPPER_utf8|5.015007|
toUPPER||
to_byte_substr||
to_lower_latin1||n
to_uni_fold|5.007003|
to_uni_lower_lc|5.006000|
to_uni_lower|5.007003|
to_uni_title_lc|5.006000|
to_uni_title|5.007003|
to_uni_upper_lc|5.006000|
to_uni_upper|5.007003|
to_utf8_case|5.007003|
to_utf8_fold|5.015007|
to_utf8_lower|5.015007|
to_utf8_substr||
to_utf8_title|5.015007|
to_utf8_upper|5.015007|
tokenize_use||
tokeq||
tokereport||
too_few_arguments_pv||
too_many_arguments_pv||
translate_substr_offsets||n
try_amagic_bin||

try_amagic_un||
uiv_2buf|||n
unlnk||
unpack_rec||
unpack_str|5.007003|
unpackstring|5.008001|
unreferenced_to_tmp_stack||
unshare_hek_or_pvn||
unshare_hek||
unsharepvn|5.003070|
unwind_handler_stack||
update_debugger_info||
upg_version|5.009005|
usage||
utf16_textfilter||
utf16_to_utf8_reversed|5.006001|
utf16_to_utf8|5.006001|
utf8_distance|5.006000|
utf8_hop|5.006000|n
utf8_length|5.007001|
utf8_mg_len_cache_update||
utf8_mg_pos_cache_update||
utf8_to_bytes|5.006001|
utf8_to_uvchr_buf|5.015009|
utf8_to_uvchr|5.007001|
utf8_to_uvuni_buf|5.015009|
utf8_to_uvuni|5.007001|
utf8n_to_uvchr|5.007001|
utf8n_to_uvuni|5.007001|
utilize||
uvchr_to_utf8_flags|5.007003|
uvchr_to_utf8|5.007001|
uvoffuni_to_utf8_flags|5.019004|
uvuni_to_utf8_flags|5.007003|
uvuni_to_utf8|5.007001|
valid_utf8_to_uvchr|5.015009|
valid_utf8_to_uvuni|5.015009|
validate_proto||
validate_suid||
varname||
vcmp|5.009000|
vcroak|5.006000|
vdeb|5.007003|
vform|5.006000|
visit||
vivify_defelem||
vivify_ref||
vload_module|5.006000|p

```

vmess||5.006000|
vnewSVpvf|5.006000|5.004000|p
vnormal||5.009002|
vnumify||5.009000|
vstringify||5.009000|
vverify||5.009003|
vwarner||5.006000|
vwarn||5.006000|
wait4pid|||
warn_nocontext|||vn
warn_sv||5.013001|
warner_nocontext|||vn
warner|5.006000|5.004000|pv
warn|||v
was_lvalue_sub|||
watch|||
whichsig_pvn||5.015004|
whichsig_pv||5.015004|
whichsig_sv||5.015004|
whichsig|||
win32_croak_not_implemented|||n
with_queued_errors|||
wrap_op_checker||5.015008|
write_to_stderr|||
xs_boot_epilog|||
xs_handshake|||vn
xs_version_bootcheck|||
yyerror_pvn|||
yyerror_pv|||
yyerror|||
yylex|||
yyparse|||
yyunlex|||
yywarn|||
);

if
(exists $opt{ 'list-unsupported' }) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '\x{40-length($f)}, " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}

# Scan for possible replacement candidates

```



```

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define,
$function);

sub find_api
{
my $code = shift;
$code =~ s{
 /(?: \^[^*]*\*(?:[^\$ccs][^*]*\*)* / | /[\r\n]*
 | "[^"\\]*(?:\\.[^"\\]*)*"
 | '[^']**(?:\\.[^']*)*' }{ }egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}

while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\s(.*)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ""; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}
else { undef $hint }
}

$hint = [$1, [split /,?\s+/, $2]]
if m{^\s*$rcs\s+(Hint|Warning):\s+(\w+(?:,\s+\w+)*)\s*$};

if ($define) {
if ($define->[1] =~ /\$/) {
$define->[1] .= $_;
}
else {
if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_\(/) {
my @n = find_api($define->[1]);
push @{$depends{$define->[0]}}, @n if @n
}
undef $define;
}
}

$define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(.*)};

if ($function)
{
if (/^/) {

```

```

if (exists $API{$function->[0]}) {
    my @n = find_api($function->[1]);
    push @{$depends{$function->[0]}}, @n if @n
}
undef $function;
}
else {
    $function->[1] .= $_;
}
}

$function = [$1, " if m{^DPPP_(my_(\w+))});

$replace = $1 if m{^\s*$srcs\s+Replace:\s+(\d+)\s+$rce\s*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\s+(\s*))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\s+(\s*))?\s+(\w+).*srcs\s+Replace\s+$rce};
$replace{$1} = $2 if m{^\s*$srcs\s+Replace (\w+) with (\w+)\s+$rce\s*$};

if (m{^\s*$srcs\s+(\w+(\s*\s*\w+)*)\s+depends\s+on\s+(\w+(\s*\s*\w+)*)\s+$rce\s*$}) {
    my @deps = map { s/\s+//g; $_ } split /,/, $3;
    my $d;
    for $d (map { s/\s+//g; $_ } split /,/, $1) {
        push @{$depends{$d}}, @deps;
    }
}

$need{$1} = 1 if m{^#\s+defined\((NEED_(\w+)(?:\s+_GLOBAL)?)\)};
}

for (values %depends) {
    my %s;
    $_ = [sort grep !$s{$_}++,
    @$_];
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^(.*)/! ? $1 : "\Q$opt{'api-info'}\E$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n=== $f ===\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base.\n";
            $info++;
        }
    }
}

```

```

if ($API{$f}{provided}) {
    my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
    print "Support by $ppport provided back to perl-$todo.\n";
    print "Support needs to be explicitly requested by NEED_$.f.\n" if exists $need{$f};
    print "Depends on: ", join(', ', @{$depends{$f}}), ".\n" if exists $depends{$f};
    print "\n$hints{$f}" if exists $hints{$f};
    print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
    $info++;
}
print "No portability information available.\n"
unless $info;
$count++;
}
$count or print "Found no API matching '$opt{api-info}'.";
print "\n";
exit 0;
}

```

```

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend' if exists $depends{$f};
        push @flags, 'hint' if exists $hints{$f};
        push @flags, 'warning' if exists $warnings{$f};
        my $flags = @flags ? ' [' . join(', ', @flags) . '] : ";
        print "$f$flags\n";
    }
    exit 0;
}

```

```

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

```

```

if (@ARGV) {
    my %seen;
    for (@ARGV) {
        if (-e) {
            if (-f) {
                push @files, $_ unless $seen{$_}++;
            }
            else { warn "'$_' is not a file.\n" }
        }
        else {
            my @new = grep { -f } glob $_

```

```

    or warn "'$_' does not exist.\n";
    push @files, grep { !$seen{$_}++ } @new;
  }
}
else {
eval {
  require File::Find;
  File::Find::find(sub {
    $File::Find::name =~ /($srcext)$/i
    and push @files, $File::Find::name;
  }, '.');
};
if ($@) {
  @files = map { glob "*$_" } @srcext;
}
}

if (!@ARGV || $opt{filter}) {
  my(@in, @out);
  my %xsc = map { /\.(.*)\.xs$/ ? ("$.c" => 1, "$.cc" => 1) : () } @files;
  for (@files) {
    my $out = exists $xsc{$_} || /\bQ$ppport\E$/i || !/($srcext)$/i;
    push @ { $out ? \@out : \@in }, $_;
  }
  if (@ARGV && @out) {
    warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
  }
  @files = @in;
}

die "No input files given!\n" unless @files;

my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

for $filename (@files) {
  unless (open IN, "<$filename") {
    warn "Unable to read from $filename: $!\n";
    next;
  }

  info("Scanning $filename ...");

  my $c = do { local $/; <IN> };
  close IN;
}

```

```

my %file = (orig => $c, changes => 0);

# Temporarily remove C/XS comments and strings from the code
my @ccom;

$c =~ s{
  ( ^$HS*#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
  | ^$HS*#$HS*(?:define|elif|if(?:def?))\b[^\r\n]* )
| ( ^$HS*\#[^\r\n]*
  | "[^"\\]*(?:\\.[^"\\])*"
  | '[^'\\]*(?:\\.[^'\\])*'
  | /(?:\[^\]*\]*+(?:\[^\$ccs][^\]*\]*+)* /|/[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
  defined $1 ? $1 : "$ccs#$ccom$cc" }mgsex;

$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;

my $func;

for $func (keys %API) {
  my $match = $func;
  $match .= "$$replace{$func}" if exists $replace{$func};
  if ($c =~ /\b(?:Perl)?($match)\b/) {
    $file{uses_replace}{$func}++ if exists $replace{$func} && $1 eq $replace{$func};
    $file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
    if (exists $API{$func}{provided}) {
      $file{uses_provided}{$func}++;
      if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
        $file{uses}{$func}++;
        my @deps = rec_depend($func);
        if (@deps) {
          $file{uses_deps}{$func} = \@deps;
          for (@deps) {
            $file{uses}{$_} = 0 unless exists $file{uses}{$_};
          }
        }
        for ($func, @deps) {
          $file{needs}{$_} = 'static' if exists $need{$_};
        }
      }
    }
    if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
      if ($c =~ /\b$func\b/) {
        $file{uses_todo}{$func}++;
      }
    }
  }
}

```

```

}
}
}

while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
  if (exists $need{$2}) {
    $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
  }
  else { warning("Possibly wrong #define $1 in $filename") }
}

for (qw(uses needs uses_todo needed_global needed_static)) {
  for $func (keys %{$file{$_}}) {
    push
    @{$global{$_}{$func}}, $filename;
  }
}

$files{$filename} = \%file;
}

# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
  if (@{$global{needs}{$need}} > 1) {
    my @targets = @{$global{needs}{$need}};
    my @t = grep $files{$_}{needed_global}{$need}, @targets;
    @targets = @t if @t;
    @t = grep /\.xs$/i, @targets;
    @targets = @t if @t;
    my $target = shift @targets;
    $files{$target}{needs}{$need} = 'global';
    for (@{$global{needs}{$need}}) {
      $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
    }
  }
}

for $filename (@files) {
  exists $files{$filename} or next;

  info("=== Analyzing $filename ===");

  my %file = %{$files{$filename}};
  my $func;
  my $c = $file{code};
  my $warnings = 0;

```

```

for $func (sort keys %{$file{uses_Perl}}) {
    if ($API{$func}{varargs}) {
        unless ($API{$func}{nothxarg}) {
            my $changes = ($c =~ s{\b(Perl_$func\s*(\s*)(?!aTHX_?)\(\)|[^\s]*)}
                { $1 . ($2
eq ')' ? 'aTHX' : 'aTHX_') . $2 }ge);
            if ($changes) {
                warning("Doesn't pass interpreter argument aTHX to Perl_$func");
                $file{changes} += $changes;
            }
        }
    }
    else {
        warning("Uses Perl_$func instead of $func");
        $file{changes} += ($c =~ s{\bPerl_$func(\s*)(\s*aTHX_?)?\s*}
            {$func$1()}g);
    }
}

for $func (sort keys %{$file{uses_replace}}) {
    warning("Uses $func instead of $replace{$func}");
    $file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {
    if ($file{uses}{$func}) {
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        }
        else {
            diag("Uses $func");
        }
    }
}
$warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "**** WARNING: Uses $func, which may not be portable
below perl ",
            format_version($API{$func}{todo}), ", even with 'Sppport\n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}{$func}) {

```

```

$message = "No need to define NEED_$func if $func is never used";
}
elseif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
    $message = "No need to define NEED_$func when already needed globally";
}
if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_$func\b.*$LF//mg);
}
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_{$func}_GLOBAL if $func is never used";
    }
    elseif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_{$func}_GLOBAL when already needed globally";
        }
        elseif
($file{needs}{$func} eq 'static') {
            $message = "No need to define NEED_{$func}_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_{$func}_GLOBAL\b.*$LF//mg);
    }
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = "";

    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}{$func};
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "";
        unless (exists $file{"needed_$type"}{$func}) {
            if ($type eq 'global') {
                diag("Files [@$global{needs}{$func}] need $func, adding global request");
            }
            else {
                diag("File needs $func, adding static request");
            }
        }
        $pp .= "#define NEED_$func$suffix\n";
    }
}

```



```

}
}

if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
    $pp = ";
    $file{changes}++;
}

unless
($file{has_inc_ppport}) {
    diag("Needs to include '$ppport'");
    $pp .= qq(#include "$ppport"\n)
}

if ($pp) {
    $file{changes} += ($c =~ s/^(($HS*#$HS*define$HS+NEED_\w+.*?)/$1$pp/ms)
        || ($c =~ s/^(?=$HS*#$HS*include.*\Q$ppport\E)/$pp/m)
        || ($c =~ s/^(($HS*#$HS*include.*XSUB.*\s*)/s*/$1$pp/m)
        || ($c =~ s/^\$pp/);
}
}

else {
    if ($file{has_inc_ppport}) {
        diag("No need to include '$ppport'");
        $file{changes} += ($c =~ s/^\$HS*?#$HS*include.*\Q$ppport\E.*?$LF//m);
    }
}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^/!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    }
    else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment$s, which is
not portable");
}

```

```

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : "";
info("Analysis completed$warn");

if ($file{changes}) {
  if (exists $opt{copy}) {
    my $newfile = "$filename$opt{copy}";
    if (-e $newfile) {
      error("$newfile' already exists, refusing to write copy of '$filename'");
    }
    else {
      local *F;
      if (open F, ">$newfile") {
        info("Writing copy of '$filename' with changes to '$newfile'");
        print F $c;
        close F;
      }
      else {
        error("Cannot open '$newfile' for writing: $!");
      }
    }
  }
  elseif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
      unless ($patch_opened) {
        if (open PATCH, ">$opt{patch}") {
          $patch_opened = 1;
        }
        else {
          error("Cannot open '$opt{patch}' for writing: $!");
          delete $opt{patch};
          $opt{changes} = 1;
          goto fallback;
        }
      }
      mydiff(\*PATCH, $filename, $c);
    }
    else {
      fallback:
      info("Suggested changes:");
      mydiff(\*STDOUT, $filename, $c);
    }
  }
  else {
    my $s = $file{changes} == 1 ? " : 's'";
    info("$file{changes} potentially required change$s detected");
  }
}

```

```

else {
    info("Looks good");
}
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_;"; return "$@" eq " }

sub mydiff
{
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and try_use("Text::Diff")) {
        $diff = Text::Diff::diff($file, \$str, { STYLE => 'Unified' });
        $diff = <<HEADER . $diff;
        --- $file
        +++ $file.patched
        HEADER
    }

    if (!defined $diff) {
        $diff = run_diff('diff -u', $file, $str);
    }

    if (!defined $diff) {
        $diff = run_diff('diff', $file, $str);
    }

    if (!defined $diff) {
        error("Cannot
        generate a diff. Please install Text::Diff or use --copy.");
        return;
    }

    print F $diff;
}

sub run_diff

```

```

{
my($prog, $file, $str) = @_;
my $tmp = 'dppptemp';
my $suf = 'aaa';
my $diff = "";
local *F;

while (-e "$tmp.$suf") { $suf++ }
$tmp = "$tmp.$suf";

if (open F, ">$tmp") {
print F $str;
close F;

if (open F, "$prog $file $tmp |") {
while (<F>) {
s/^Q$tmp\E/$file.patched/;
$diff .= $_;
}
close F;
unlink $tmp;
return $diff;
}

unlink $tmp;
}
else {
error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
{
my($func, $seen) = @_;
return () unless exists $depends{$func};
$seen = {% {$seen|{}}};
return () if $seen->{$func}++;
my %s;
grep !${$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
my $ver = shift;

if ($ver =~ /\^(d+)\.(d+)\.(d+)$/) {

```

```

    return ($1, $2, $3);
}
elseif ($ver !~ /^(\d+\.[\d_]+$/ ) {
    die "cannot parse version '$ver'\n";
}

$ver =~ s/_//g;
$ver =~ s/$/000000/;

my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "cannot parse version '$ver'\n";
    }
}

return ($r, $v, $s);
}

sub format_version
{
    my $ver = shift;

    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "invalid version '$ver'\n";
        }
        $s /= 10;

        $ver = sprintf "%d.%03d", $r, $v;
        $s > 0 and $ver .= sprintf "_%02d", $s;

        return $ver;
    }

    return sprintf "%d.%d.%d", $r, $v, $s;
}

```

```

sub info
{
  $opt{quiet} and return;
  print @_, "\n";
}

sub diag
{
  $opt{quiet} and return;
  $opt{diag} and print @_, "\n";
}

sub warning
{
  $opt{quiet} and return;
  print "*** ", @_, "\n";
}

sub error
{
  print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub
hint
{
  $opt{quiet} and return;
  my $func = shift;
  my $rv = 0;
  if (exists $warnings{$func} && !$given_warnings{$func}++) {
    my $warn = $warnings{$func};
    $warn =~ s/^\!*** !mg;
    print "*** WARNING: $func\n", $warn;
    $rv++;
  }
  if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
    my $hint = $hints{$func};
    $hint =~ s/^\s*\/mg;
    print " --- hint for $func ---\n", $hint;
  }
  $rv;
}

sub usage
{
  my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;

```

```

my %M = ( 'I' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([>]+)>/M{$1}$2M{$1}/g;

```

```
print <<ENDUSAGE;
```

Usage: \$usage

See perldoc \$0 for details.

ENDUSAGE

```

exit 2;
}

```

```
sub strip
```

```

{
my $self = do { local(@ARGV,$/)=($0); <> };
my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)*^=\w+/ms;
$copy =~ s/^(?=\S+)/ /gms;
$self =~ s/^\$HS+Do NOT edit.*?(?=-)/$copy/ms;
$self =~ s/^\$SKIP.*(?:=__DATA__)/SKIP
if (\@ARGV && \$_ARGV[0]
eq '--unstrip') {
eval { require Devel::PPPort };
\$_@ and die "Cannot require Devel::PPPort, please install.\n";
if (eval \$Devel::PPPort::VERSION < $VERSION) {
die "$0 was originally generated with Devel::PPPort $VERSION.\n"
. "Your Devel::PPPort is only version \$Devel::PPPort::VERSION.\n"
. "Please install a newer version, or --unstrip will not work.\n";
}
Devel::PPPort::WriteFile(\$0);
exit 0;
}
print <<END;

```

Sorry, but this is a stripped version of \\$.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

```
\$^X \$0 --unstrip
```

```
END
```

```
/ms;
```

```
my($pl, $c) = $self =~ /(.*__DATA__)(.*)/ms;
```

```
$c =~ s{
```

```
 / (? : \*[^*]*\*+(?:[^\$ccs][^*]*\*+)* / | /[\r\n]*
```

```
| ("^[^\\]*(?:\\.\\.[^\\]*)*"
| '^[^\\]*(?:\\.\\.[^\\]*)*' )
| ($HS+) ){ defined $2 ? ' ': ($1 || ") }gsex;
$c =~ s!s+$!mg;
$c =~ s!^$LF!mg;
$c =~ s!^\\s*#\\s*#!mg;
$c =~ s!^\\s+!mg;
```

```
open OUT, ">$0" or die "cannot strip $0: $!\n";
print OUT "$pl$c\n";
```

```
exit 0;
}
```

__DATA__

*/

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548110_1591379892.99/0/perl-threads-2.21-2.el8.src.rpm-cosi-expand-
archive-zEPvysjP/threads-2.21.tar.gz-cosi-expand-archive-LaI5P9yQ/threads-2.21/ppport.h
```

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548110_1591379892.99/0/perl-threads-2.21-2.el8.src.rpm-cosi-expand-
archive-zEPvysjP/perl-threads.spec
```

No license file was found, but licenses were detected in source scan.

abstract: 'Perl interpreter-based threads'

author:

- 'Artur Bergman, Jerry D. Hedden <jdhedden AT cpan DOT org>'

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'

name: threads

no_index:

directory:

- t

- inc

requires:
Carp: '0'
Config: '0'
ExtUtils::testlib: '0'
Hash::Util: '0'
IO::File: '0'
Test::More: '0'
XSLoader: '0'
overload: '0'
strict: '0'
warnings: '0'
version: '2.21'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548110_1591379892.99/0/perl-threads-2.21-2.el8.src.rpm-cosi-expand-archive-zEPvysjP/threads-2.21.tar.gz-cosi-expand-archive-LaI5P9yQ/threads-2.21/META.yml

1.50 perl-pod-perldoc 3.28-396.el8

1.50.1 Available under license :

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Version 1, February 1989

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<one line to give the program's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

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```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision
comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program 'Gnomovision' (a program to direct compilers
to make passes
at assemblers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

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9. The name of the Copyright Holder may not be used to endorse or promote products derived from this software without specific prior written permission.

10. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED

The End

1.51 perl-scalar-list-utils 1.49-2.el8

1.51.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
# Copyright (c) 1997-2009 Graham Barr <gbarr@pobox.com>. All rights reserved.
```

```
# This program is free software; you can redistribute it and/or
```

```
# modify it under the same terms as Perl itself.
```

```
=head1 KNOWN BUGS
```

```
=head2 RT #95409
```

```
L<https://rt.cpan.org/Ticket/Display.html?id=95409>
```

If the block of code given to L</pairmap> contains lexical variables that are captured by a returned closure, and the closure is executed after the block has been re-used for the next iteration, these lexicals will not see the correct values. For example:

```
my @subs = pairmap {  
    my $var = "$a is $b";  
    sub { print "$var\n" };  
} one => 1, two => 2, three => 3;
```

```
$_->() for @subs;
```

Will incorrectly print

```
three is 3  
three is 3  
three is 3
```

This is due to the performance optimisation of using C<MULTICALL> for the code block, which means that fresh SVs do not get allocated for each call to the block. Instead, the same SV is re-assigned for each iteration, and all the closures will share the value seen on the final iteration.

To work around this bug, surround the code with a second set of braces. This creates an inner block that defeats the C<MULTICALL> logic, and does get fresh SVs allocated each time:

```
my @subs = pairmap {
```

```

{
  my $var = "$a is $b";
  sub { print "$var\n"; }
}
} one => 1, two => 2, three => 3;

```

This bug only affects closures that are generated by the block but used afterwards. Lexical variables that are only used during the lifetime of the block's execution will take their individual values for each invocation, as normal.

=head2 uniqnum() on oversized bignums

Due to the way that C<uniqnum()> compares numbers, it cannot distinguish differences between bignums (especially bigints) that are too large to fit in the native platform types. For example,

```

my $x = Math::BigInt->new( "1" x 100 );
my $y = $x + 1;

```

```

say for uniqnum( $x, $y );

```

Will print just the value of C<\$x>, believing that C<\$y> is a numerically-equivalent value. This bug does not affect C<uniqstr()>, which will correctly observe that the two values stringify to different strings.

=head1 SUGGESTED ADDITIONS

The following are additions that have been requested, but I have been reluctant to add due to them being very simple to implement in perl

```

# How many elements are true

```

```

sub true { scalar grep { $_ } @_ }

```

```

# How many elements are false

```

```

sub false { scalar grep { !$_ } @_ }

```

=head1 SEE ALSO

L<Scalar::Util>, L<List::MoreUtils>

=head1 COPYRIGHT

Copyright (c) 1997-2007 Graham Barr <gbarr@pobox.com>. All rights reserved.

This program is free software; you can redistribute it and/or

modify it under the same terms as Perl itself.

Recent additions and current maintenance by
Paul Evans, <leonerd@leonerd.org.uk>.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utills-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/Scalar-List-Utills-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utills-1.49/lib/List/Util.pm

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utills-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/perl-Scalar-List-Utills.spec

No license file was found, but licenses were detected in source scan.

=head1 NAME

List::Util::XS - Indicate if List::Util was compiled with a C compiler

=head1 SYNOPSIS

use List::Util::XS 1.20;

=head1 DESCRIPTION

C<List::Util::XS> can be used as a dependency to ensure List::Util was installed using a C compiler and that the XS version is installed.

During installation C<\$List::Util::XS::VERSION> will be set to C<undef> if the XS was not compiled.

Starting with release 1.23_03, Scalar-List-Util is B<always> using the XS implementation, but for backwards compatibility, we still ship the C<List::Util::XS> module which just loads C<List::Util>.

=head1 SEE ALSO

L<Scalar::Util>, L<List::Util>, L<List::MoreUtils>

=head1 COPYRIGHT

Copyright (c) 2008 Graham Barr <gbarr@pobox.com>. All rights reserved.

This program is free software; you can redistribute it and/or

modify it under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utils-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/Scalar-List-Utils-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utils-1.49/lib/List/Util/XS.pm

No license file was found, but licenses were detected in source scan.

/* Copyright (c) 1997-2000 Graham Barr <gbarr@pobox.com>. All rights reserved.

* This program is free software; you can redistribute it and/or

* modify it under the same terms as Perl itself.

*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utils-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/Scalar-List-Utils-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utils-1.49/ListUtil.xs

No license file was found, but licenses were detected in source scan.

/*

ppport.h -- Perl/Pollution/Portability Version 3.19_02

Automatically created by Devel::PPPport running under perl 5.010000.

Do NOT edit this file directly! -- Edit PPPport_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.19_02

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

 --version show version

 --patch=file write one patch file with changes
 --copy=suffix write changed copies with suffix
 --diff=program use diff program and options

 --compat-version=version provide compatibility with Perl version
 --cplusplus accept C++ comments

 --quiet don't output anything except fatal errors
 --nodiag don't show diagnostics
 --nohints don't show hints
 --nochanges don't suggest changes
 --nofilter don't filter input files

 --strip strip all script and doc functionality from
 ppport.h

 --list-provided list provided API
 --list-unsupported list unsupported API
 --api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.11.5.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

=head2 --copy=I<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automatically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=I<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=I<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version

5.003. You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>.

This

reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>.

If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

```
perl ppport.h --list-provided
```

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions
or variables will be marked C<explicit> in the list shown
by C<--list-provided>.

Depending on whether your module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```
#define NEED_function  
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```
#define NEED_function_GLOBAL  
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the same function or variable in your project.

Function / Variable	Static Request	Global Request
PL_parser	NEED_PL_parser	NEED_PL_parser_GLOBAL
PL_signals	NEED_PL_signals	NEED_PL_signals_GLOBAL
eval_pv()	NEED_eval_pv	
	NEED_eval_pv_GLOBAL	
grok_bin()	NEED_grok_bin	NEED_grok_bin_GLOBAL
grok_hex()	NEED_grok_hex	NEED_grok_hex_GLOBAL
grok_number()	NEED_grok_number	NEED_grok_number_GLOBAL
grok_numeric_radix()	NEED_grok_numeric_radix	NEED_grok_numeric_radix_GLOBAL
grok_oct()	NEED_grok_oct	NEED_grok_oct_GLOBAL
load_module()	NEED_load_module	NEED_load_module_GLOBAL
my_snprintf()	NEED_my_snprintf	NEED_my_snprintf_GLOBAL
my_sprintf()	NEED_my_sprintf	NEED_my_sprintf_GLOBAL
my_strlcat()	NEED_my_strlcat	NEED_my_strlcat_GLOBAL
my_strlcpy()	NEED_my_strlcpy	NEED_my_strlcpy_GLOBAL
newCONSTSUB()	NEED_newCONSTSUB	NEED_newCONSTSUB_GLOBAL
newRV_noinc()	NEED_newRV_noinc	NEED_newRV_noinc_GLOBAL
newSV_type()	NEED_newSV_type	NEED_newSV_type_GLOBAL
newSVpv_flags()	NEED_newSVpv_flags	NEED_newSVpv_flags_GLOBAL
newSVpv_share()	NEED_newSVpv_share	NEED_newSVpv_share_GLOBAL
pv_display()	NEED_pv_display	NEED_pv_display_GLOBAL
pv_escape()	NEED_pv_escape	NEED_pv_escape_GLOBAL
pv_pretty()	NEED_pv_pretty	NEED_pv_pretty_GLOBAL
sv_2pv_flags()	NEED_sv_2pv_flags	NEED_sv_2pv_flags_GLOBAL
sv_2pvbyte()	NEED_sv_2pvbyte	NEED_sv_2pvbyte_GLOBAL
sv_catpvf_mg()	NEED_sv_catpvf_mg	NEED_sv_catpvf_mg_GLOBAL
sv_catpvf_mg_nocontext()	NEED_sv_catpvf_mg_nocontext	NEED_sv_catpvf_mg_nocontext_GLOBAL
sv_pvn_force_flags()	NEED_sv_pvn_force_flags	NEED_sv_pvn_force_flags_GLOBAL
sv_setpvf_mg()	NEED_sv_setpvf_mg	
	NEED_sv_setpvf_mg_GLOBAL	
sv_setpvf_mg_nocontext()	NEED_sv_setpvf_mg_nocontext	NEED_sv_setpvf_mg_nocontext_GLOBAL
vload_module()	NEED_vload_module	NEED_vload_module_GLOBAL
vnewSVpvf()	NEED_vnewSVpvf	NEED_vnewSVpvf_GLOBAL
warnern()	NEED_warnern	NEED_warnern_GLOBAL

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running

F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --plusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different C<diff> program or options, using the C<--diff> option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

```
perl ppport.h --copy=.new
```

To display portability information for the C<newSVpv> function, use:

```
perl ppport.h --api-info=newSVpv
```

Since the argument to C<--api-info> can be a regular expression, you can use

```
perl pport.h --api-info=/_nomg$/
```

to display portability information for all C<_nomg> functions or

```
perl pport.h --api-info=./
```

to display information for all known API elements.

=head1 BUGS

If this version of F<pport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPport> are available on CPAN before sending a bug report.

If F<pport.h> was generated using the latest version of C<Devel::PPPport> and is causing failure of this module, please file a bug report using the CPAN Request Tracker at L<<http://rt.cpan.org/>>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPport>

module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2010, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

Disable broken TRIE-optimization

BEGIN { eval '\${^RE_TRIE_MAXBUF} = -1' if \$] >= 5.009004 && \$] <= 5.009005 }

my \$VERSION = 3.19_02;

```
my %opt = (  
  quiet => 0,  
  diag => 1,  
  hints => 1,  
  changes => 1,  
  cplusplus => 0,  
  filter => 1,  
  strip => 0,  
  version => 0,  
);
```

```
my($ppport) = $0 =~ /([\w.]+)/;
```

```
my $LF = '(?:\r\n|[\r\n])'; # line feed
```

```
my $HS = "[\t]"; # horizontal whitespace
```

Never use C comments in this file!

```
my $ccs = '!.*';
```

```
my
```

```
$cce = '*!./';
```

```
my $rcs = quotemeta $ccs;
```

```
my $rce = quotemeta $cce;
```

```

eval {
    require Getopt::Long;
    Getopt::Long::GetOptions(\%opt, qw(
        help quiet diag! filter! hints! changes! cplusplus strip version
        patch=s copy=s diff=s compat-version=s
        list-provided list-unsupported api-info=s
    )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
    usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
    die "Getopt::Long not found. Please don't use any options.\n";
}

if ($opt{version}) {
    print "This is $0 $VERSION.\n";
    exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
    my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
    if ($@) {
        die "Invalid version number format: '$opt{'compat-version'}'\n";
    }
    die "Only Perl 5 is supported\n" if $r != 5;
    die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
    $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
    $opt{'compat-version'}
    = 5;
}

my %API = map { /^(\w+)\|([\^]*)\|([\^]*)\|(\w*)$/
    ? ($1 => {
        ($2          ? ( base   => $2 ) : ()),
        ($3          ? ( todo   => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),
    })
    : die "invalid spec: $_" } qw(
AvFILLp|5.004050||p
AvFILL|||
CLASS|||n

```

CPERLscope|5.005000||p
CX_CURPAD_SAVE|||
CX_CURPAD_SV|||
CopFILEAV|5.006000||p
CopFILEGV_set|5.006000||p
CopFILEGV|5.006000||p
CopFILESV|5.006000||p
CopFILE_set|5.006000||p
CopFILE|5.006000||p
CopSTASHPV_set|5.006000||p
CopSTASHPV|5.006000||p
CopSTASH_eq|5.006000||p
CopSTASH_set|5.006000||p
CopSTASH|5.006000||p
CopyD|5.009002||p
Copy|||
CvPADLIST|||
CvSTASH|||
CvWEAKOUTSIDE|||
DEFSV_set|5.010001||p
DEFSV|5.004050||p
END_EXTERN_C|5.005000||p
ENTER|||
ERRSV|5.004050||p
EXTEND|||
EXTERN_C|5.005000||p
F0convert|||n
FREEMPS|||
GIMME_V||5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002||p
G_ARRAY|||
G_DISCARD|||
G_EVAL|||
G_METHOD|5.006001||p
G_NOARGS|||
G_SCALAR|||
G_VOID||5.004000|
GetVars|||
GvSVn|5.009003||p
GvSV|||
Gv_AMupdate||5.011000|
HEf_SVKEY||5.004000|
HeHASH||5.004000|
HeKEY||5.004000|
HeKLEN||5.004000|
HePV||5.004000|
HeSVKEY_force||5.004000|

HeSVKEY_set|5.004000|
HeSVKEY|5.004000|
HeUTF8|5.010001|
HeVAL|5.004000|
HvNAMELEN_get|5.009003||p
HvNAME_get|5.009003||p
HvNAME|||
INT2PTR|5.006000||p
IN_LOCALE_COMPILETIME|5.007002||p
IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002||p
IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
IVSIZE|5.006000||p
IVTYPE|5.006000||p
IVdf|5.006000||p
LEAVE|||
LVRET|||
MARK|||
MULTICALL|5.011005|
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002||p
Move|||
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav|||
Nullch|||
Nullcv|||
Nullhv|||
Nullsv|||
ORIGMARK|||
PAD_BASE_SV|||
PAD_CLONE_VARS|||
PAD_COMPNAME_FLAGS|||

PAD_COMPNAME_GEN_set|||
PAD_COMPNAME_GEN|||
PAD_COMPNAME_OURSTASH|||
PAD_COMPNAME_PV|||
PAD_COMPNAME_TYPE|||
PAD_DUP|||
PAD_RESTORE_LOCAL|||
PAD_SAVE_LOCAL|||
PAD_SAVE_SETNULLPAD|||
PAD_SETSV|||
PAD_SET_CUR_NOSAVE|||
PAD_SET_CUR|||
PAD_SV1|||
PAD_SV|||
PERLIO_FUNCS_CAST|5.009003|p
PERLIO_FUNCS_DECL|5.009003|p
PERL_ABS|5.008001|p
PERL_BCDVERSION|5.011004|p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001|p
PERL_HASH|5.004000|p
PERL_INT_MAX|5.004000|p
PERL_INT_MIN|5.004000|p
PERL_LONG_MAX|5.004000|p
PERL_LONG_MIN|5.004000|p
PERL_MAGIC_arylen|5.007002|p
PERL_MAGIC_backref|5.007002|p
PERL_MAGIC_bm|5.007002|p
PERL_MAGIC_collxfrm|5.007002|p
PERL_MAGIC_dbfile|5.007002|p
PERL_MAGIC_dbline|5.007002|p
PERL_MAGIC_defelem|5.007002|p
PERL_MAGIC_envelem|5.007002|p
PERL_MAGIC_env|5.007002|p
PERL_MAGIC_ext|5.007002|p
PERL_MAGIC_fm|5.007002|p
PERL_MAGIC_glob|5.011004|p
PERL_MAGIC_isaelem|5.007002|p
PERL_MAGIC_isa|5.007002|p
PERL_MAGIC_mutex|5.011004|p
PERL_MAGIC_nkeys|5.007002|p
PERL_MAGIC_overload_elem|5.007002|p
PERL_MAGIC_overload_table|5.007002|p
PERL_MAGIC_overload|5.007002|p
PERL_MAGIC_pos|5.007002|p
PERL_MAGIC_qr|5.007002|p
PERL_MAGIC_regdata|5.007002|p
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sv_pvn_nomg|5.007003|5.005000|p
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sv_setpviv|5.008001|
sv_setpvn_mg|5.004050|p
sv_setpvn||
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sv_setsv_mg|5.004050|p
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sv_setsv||
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```

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yylex|||
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yywarn|||
);

if
(exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", 'x'(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define, $function);

sub find_api
{
my $code = shift;
$code =~ s{
/ (? : \*[^\*]*\*+(?:[^\$ccs][^\*]*\*+)* / | /[\r\n]*
| "[^\\"\\]*(?:\\\[^\\"\\])*"
| '[^\'\\]*(?:\\\[^\'\\])*' } { } egx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}

while (<DATA>)
{
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\s(?:\s*)\s*$}) {
for (@{$hint->[1]}) {

```

```

    $h->{$_} ||= "# suppress warning with older perls
    $h->{$_} .= "$1\n";
}
}
else { undef $hint }
}

$hint = [$1, [split /,?\s+/, $2]]
    if m{^\s*$rccs\s+(Hint|Warning):\s+(\w+(?:,\s+\w+)*)\s*$};

if ($define) {
    if ($define->[1] =~ /\$/) {
        $define->[1] .= $_;
    }
    else {
        if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_\(/) {
            my @n = find_api($define->[1]);
            push @{$depends{$define->[0]}}, @n if @n
        }
        undef $define;
    }
}

$define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(.*)};

if ($function) {
    if (/^/) {
        if (exists $API{$function->[0]}) {
            my @n = find_api($function->[1]);
            push @{$depends{$function->[0]}}, @n if @n
        }
        undef $function;
    }
    else {
        $function->[1] .= $_;
    }
}

$function = [$1, ""] if m{^DPPP_(my_(\w+))};

$replace = $1 if m{^\s*$rccs\s+Replace:\s+(\d+)\s+$rcc\s*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+).*rccs\s+Replace\s+$rcc};
$replace{$1} = $2 if m{^\s*$rccs\s+Replace (\w+) with (\w+)\s+$rcc\s*$};

if (m{^\s*$rccs\s+(\w+(\s*,\s*\w+)*)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcc\s*$}) {
    my @deps = map { s/\s+//g; $_ } split /,/, $3;
}

```

```

my $d;
for $d (map { s/^s+//g; $_ } split /\s/, $1) {
    push @{$depends{$d}}, @deps;
}
}

$need{$1} = 1 if m{^#if\s+defined\(\NEED_\(\w+\)(?:_GLOBAL)?\)};
}

for (values %depends) {
    my %s;
    $_ = [sort grep !${$_}++, @$_];
}

if (exists $opt{'api-info'}) {
    my $f;
    my $count = 0;
    my $match = $opt{'api-info'} =~ m!^(.*)/$! ? $1 : "\Q$opt{'api-info'}\E\$";
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $f =~ /$match/;
        print "\n=== $f ===\n\n";
        my $info = 0;
        if ($API{$f}{base} || $API{$f}{todo}) {
            my $base = format_version($API{$f}{base} || $API{$f}{todo});
            print "Supported at least starting from perl-$base.\n";
            $info++;
        }
        if ($API{$f}{provided}) {
            my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
            print "Support by $ppport provided back to perl-$todo.\n";
            print "Support needs to be explicitly requested by NEED_$.f.\n" if exists $need{$f};
            print "Depends on: ", join(', ', @{$depends{$f}}), ".\n" if exists $depends{$f};
            print "\n$hints{$f}" if exists $hints{$f};
            print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
            $info++;
        }
        print "No portability information available.\n" unless $info;
        $count++;
    }
    $count or print "Found no API matching '$opt{'api-info'}'.";
    print "\n";
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
    }
}

```

```

my @flags;
push @flags, 'explicit' if exists $need{$f};
push @flags, 'depend' if exists $depends{$f};
push @flags, 'hint' if exists $hints{$f};
push @flags, 'warning' if exists $warnings{$f};
my $flags = @flags ? ' [' . join(', ', @flags) . '] : ";
print "$f$flags\n";
}
exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
my %seen;
for (@ARGV) {
if (-e) {
if (-f) {
push @files, $_ unless $seen{$_}++;
}
else { warn "'$_' is not a file.\n" }
}
else {
my @new = grep { -f } glob $_
or warn "'$_' does not exist.\n";
push @files, grep { !$seen{$_}++ } @new;
}
}
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /($srcext)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($?) {
@files = map { glob "$*" } @srcext;
}
}

if
(!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("1.c" => 1, "1.cc" => 1) : () } @files;

```

```

for (@files) {
    my $out = exists $xsc{$_} || ^\b\Q$ppport\E$/i || !/($srcext)/i;
    push @ { $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
    warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}

```

die "No input files given!\n" unless @files;

```

my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

```

```

for $filename (@files) {
    unless (open IN, "<$filename") {
        warn "Unable to read from $filename: $!\n";
        next;
    }
}

```

info("Scanning \$filename ...");

```

my $c = do { local $/; <IN> };
close IN;

```

```

my %file = (orig => $c, changes => 0);

```

Temporarily remove C/XS comments and strings from the code
my @ccom;

```

$c =~ s{
    ( ^$HS*\#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
    | ^$HS*\#$HS*(?:define|elif|if(?:def?))\b[^\r\n]*
    )
| ( ^$HS*\#[^\r\n]*
    | "[^"\\]*(?:\\.[^"\\])*"
    | '[^'\\]*(?:\\.[^'\\])*'
    | /(?: \*[^\*]*\*(?:[^\$ccs][^\*]*\*)* /|/[^\r\n]* ) )
}{ defined $2 and push @ccom, $2;
    defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;

```

```

$file{ccom} = \@ccom;

```

```

$file{code} = $c;

```

```

$file{has_inc_ppport} = $c =~ /^$HS*\#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;

```

```

my $func;

for $func (keys %API) {
    my $match = $func;
    $match .= "$$revreplace{$func}" if exists $revreplace{$func};
    if ($c =~ /\b(?:Perl_)?($match)\b/) {
        $file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
        $file{uses_Perl}{$func}++ if $c =~ /\bPerl_{$func}\b/;
        if (exists $API{$func}{provided}) {
            $file{uses_provided}{$func}++;
            if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
                $file{uses}{$func}++;
                my @deps = rec_depend($func);
                if (@deps) {
                    $file{uses_deps}{$func} = \@deps;
                    for
(@deps) {
                        $file{uses}{$_} = 0 unless exists $file{uses}{$_};
                    }
                }
                for ($func, @deps) {
                    $file{needs}{$_} = 'static' if exists $need{$_};
                }
            }
        }
        if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
            if ($c =~ /\b{$func}\b/) {
                $file{uses_todo}{$func}++;
            }
        }
    }
}

while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
    if (exists $need{$2}) {
        $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
    }
    else { warning("Possibly wrong #define $1 in $filename") }
}

for (qw(uses needs uses_todo needed_global needed_static)) {
    for $func (keys %{ $file{$_} }) {
        push @{$global{$_}{$func}}, $filename;
    }
}

$files{$filename} = \%file;
}

```

```

# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
  if (@{$global{needs}{$need}} > 1) {
    my @targets = @{$global{needs}{$need}};
    my @t
= grep $files{$_}{needed_global}{$need}, @targets;
    @targets = @t if @t;
    @t = grep /\.xs$/i, @targets;
    @targets = @t if @t;
    my $target = shift @targets;
    $files{$target}{needs}{$need} = 'global';
    for (@{$global{needs}{$need}}) {
      $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
    }
  }
}

for $filename (@files) {
  exists $files{$filename} or next;

  info("=== Analyzing $filename ===");

  my %file = %{$files{$filename}};
  my $func;
  my $c = $file{code};
  my $warnings = 0;

  for $func (sort keys %{$file{uses_Perl}}) {
    if ($API{$func}{varargs}) {
      unless ($API{$func}{nothxarg}) {
        my $changes = ($c =~ s{\b(Perl_?func\s*(\s*)(?!aTHX_?)()\[^\s]*\)}
          { $1 . ($2 eq ' ') ? 'aTHX' : 'aTHX_ ' ) . $2 }ge);
        if ($changes) {
          warning("Doesn't pass interpreter argument aTHX to Perl_$func");
          $file{changes} += $changes;
        }
      }
    }
    else {
      warning("Uses Perl_$func instead
of $func");
      $file{changes} += ($c =~ s{\bPerl_?func(\s*)((\s*aTHX_?)?\s*}
        {$func$1(}g);
    }
  }
}

```

```

for $func (sort keys %{$file{uses_replace}}) {
    warning("Uses $func instead of $replace{$func}");
    $file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {
    if ($file{uses}{$func}) {
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        }
        else {
            diag("Uses $func");
        }
    }
    $warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "*** WARNING: Uses $func, which may not be portable below perl ",
            format_version($API{$func}{todo}), ", even with '$ppport\n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}{$func}) {
        $message
= "No need to define NEED_$func if $func is never used";
    }
    elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_{$func}_GLOBAL if $func is never used";
    }
    elsif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_{$func}_GLOBAL when already needed globally";
        }
    }
}

```



```

}
elseif ($file{needs}{$func} eq 'static') {
    $message = "No need to define NEED_{func}_GLOBAL when only used in this file";
}
}
if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_{func}_GLOBAL\b.*$LF//mg);
}
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = "";

    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}{$func};
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "";
        unless (exists $file{"needed_$type"}{$func}) {
            if ($type eq 'global') {
                diag("Files [@$global{needs}{$func}] need $func, adding global request");
            }
            else {
                diag("File needs $func, adding static request");
            }
            $pp .= "#define NEED_$func$suffix\n";
        }
    }

    if ($pp && ($c =~ s/^(?=$HS*#\$HS*define\$HS+NEED_\w+.$?)/$pp/m)) {
        $pp = "";
        $file{changes}++;
    }

    unless ($file{has_inc_ppport}) {
        diag("Needs to include '$ppport'");
        $pp .= qq(#include "$ppport"\n)
    }

    if ($pp) {
        $file{changes} += ($c =~ s/^\($HS*#\$HS*define\$HS+NEED_\w+.$?\)/$1$pp/ms)
            || ($c =~ s/^(?=$HS*#\$HS*include.*Q$ppport\E)/$pp/m)
            || ($c =~ s/^\($HS*#\$HS*include.*XSUB.*\s?\)/$1$pp/m)
            || ($c =~ s/^\($pp/);
    }
}
}

```

```

else {
  if ($file{has_inc_ppport}) {
    diag("No need to include '$ppport'");
    $file{changes} += ($c =~ s/^\$HS*?#\$HS*include.*\Q$ppport\E.*?$LF//m);
  }
}

# put back in our C comments
my $ix;
my $cpc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
  if (!$opt{cplusplus} && $ccom[$ix] =~ s!^/!!) {
    $cpc++;
    $file{changes} += $c =~ s/$rccs$ix$rce/$ccs$ccom[$ix] $cce/;
  }
  else {
    $c =~ s/$rccs$ix$rce/$ccom[$ix]/;
  }
}

if ($cpc) {
  my $s = $cpc != 1 ? 's' : '';
  warning("Uses $cpc C++ style comment$s, which is not portable");
}

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : "";
info("Analysis completed$warn");

if ($file{changes}) {
  if (exists $opt{copy}) {
    my $newfile = "$filename$opt{copy}";
    if (-e $newfile) {
      error("$newfile' already exists, refusing to write copy of '$filename'");
    }
  }
  else {
    local *F;
    if (open F, ">$newfile") {
      info("Writing copy of '$filename' with changes to '$newfile'");
      print F $c;
      close F;
    }
  }
  else {
    error("Cannot open '$newfile' for writing: $!");
  }
}
}

```

```

elseif (exists $opt{patch} || $opt{changes}) {
  if (exists $opt{patch}) {
    unless ($patch_opened) {
      if (open PATCH, ">$opt{patch}") {
        $patch_opened = 1;
      }
      else {
        error("Cannot open '$opt{patch}' for writing: $!");
        delete $opt{patch};
        $opt{changes} = 1;
        goto fallback;
      }
    }
    mydiff(\*PATCH, $filename, $c);
  }
  else {
fallback:
    info("Suggested changes:");
    mydiff(\*STDOUT, $filename, $c);
  }
  else {
    my $s = $file{changes}
    == 1 ? " : 's';
    info("$file{changes} potentially required change$s detected");
  }
  else {
    info("Looks good");
  }
}

close PATCH if $patch_opened;

exit 0;

```

```

sub try_use { eval "use @_;"; return $# eq " }

```

```

sub mydiff
{
  local *F = shift;
  my($file, $str) = @_;
  my $diff;

  if (exists $opt{diff}) {
    $diff = run_diff($opt{diff}, $file, $str);
  }
}

```

```

if (!defined $diff and try_use("Text::Diff")) {
    $diff = Text::Diff::diff($file, \$str, { STYLE => 'Unified' });
    $diff = <<HEADER . $diff;
--- $file
+++ $file.patched
HEADER
}

if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_ ;
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "";
    local *F;

    while (-e "$tmp.$suf") { $suf++
    }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/\Q$tmp\E/$file.patched/;
                $diff .= $_;
            }
            close F;
            unlink $tmp;

```

```

    return $diff;
}

    unlink $tmp;
}
else {
    error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
{
    my($func, $seen) = @_ ;
    return () unless exists $depends{$func};
    $seen = {%{$seen||{}}};
    return () if $seen->{$func}++;
    my %s;
    grep !$s{$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
    my $ver = shift;

    if ($ver =~ /^(d+)\.(d+)\.(d+)$/) {
        return ($1, $2, $3);
    }
    elsif ($ver !~ /^d+\.[d_]+$/) {
        die "cannot parse version '$ver'\n";
    }

    $ver =~ s/_//g;
    $ver =~ s/$/000000/;

    my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "cannot parse
version '$ver'\n";
        }
    }
}

```

```

return ($r, $v, $s);
}

sub format_version
{
my $ver = shift;

$ver =~ s/000000/;
my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
if ($s % 10) {
die "invalid version '$ver'\n";
}
$s /= 10;

$ver = sprintf "%d.%03d", $r, $v;
$s > 0 and $ver .= sprintf "_%02d", $s;

return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;
}

sub info
{
$opt{quiet} and return;
print @_, "\n";
}

sub diag
{
$opt{quiet} and return;
$opt{diag} and print @_, "\n";
}

sub warning
{
$opt{quiet} and return;
print "*** ", @_, "\n";
}

sub error
{

```

```

print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub hint
{
    $opt{quiet} and return;
    my $func = shift;
    my $rv = 0;
    if (exists $warnings{$func} && !$given_warnings{$func}++) {
        my $warn = $warnings{$func};
        $warn =~ s/!*** !mg;
        print "*** WARNING: $func\n", $warn;
        $rv++;
    }
    if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
        my $hint = $hints{$func};
        $hint =~ s/^/ /mg;
        print " --- hint for $func ---\n", $hint;
    }
    $rv;
}

sub usage
{
    my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*(.*)\s*^=/ms;
    my %M = ( 'T' => '*' );
    $usage =~ s/^\s*perl\s+\S+/$^X $0/;
    $usage =~ s/([A-Z])<([>]+)>/M{$1}$2M{$1}/g;

    print <<ENDUSAGE;

Usage: $usage

See perldoc $0 for details.

ENDUSAGE

exit 2;
}

sub strip
{
    my $self = do { local(@ARGV,$/)=($0); <> };
    my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*(.*)^=\w+/ms;
    $copy =~ s/^(?=\S+)/ /gms;
    $self =~ s/^$HS+Do NOT edit.*?(?=-)/$copy/ms;
}

```

```

$self =~ s/^SKIP.*(?!^__DATA__)/SKIP
if (\@ARGV && \$ARGV[0] eq '--unstrip') {
    eval { require Devel::PPPport };
    \@ and die "Cannot require Devel::PPPport, please install.\n";
    if (eval \$Devel::PPPport::VERSION < \$VERSION) {
        die "$0 was originally generated with Devel::PPPport $VERSION.\n"
            . "Your Devel::PPPport is only version \$Devel::PPPport::VERSION.\n"
            . "Please install a newer version, or --unstrip will not work.\n";
    }
    Devel::PPPport::WriteFile(\$0);
    exit 0;
}
print <<END;

```

Sorry, but this is a stripped version of \\$0.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

```
\$^X \$0 --unstrip
```

```
END
```

```
/ms;
```

```
my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
```

```
$c =~ s{
```

```
 / (? : \*[^\*]*\*+(?:[^\$ccs][^\*]*\*+)* / | /[\r\n]*
```

```
 | ( "[^\"]*(?:\\.["\\"])*"
```

```
 | '[^']**(?:\\.['\\'])*' )
```

```
 | ($HS+) } { defined $2 ? '': ($1 || ") }gsex;
```

```
$c =~ s!\s+!!mg;
```

```
$c =~ s!^\$LF!!mg;
```

```
$c =~ s!\s*#\s*#!mg;
```

```
$c =~ s!\s+!!mg;
```

```
open OUT, ">$0" or die "cannot strip $0: $!\n";
```

```
print OUT "$pl$c\n";
```

```
exit 0;
```

```
}
```

```
__DATA__
```

```
*/
```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utills-1.49-2.el8.src.rpm-cosi-
expand-archive-yRiYhbUa/Scalar-List-Utills-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utills-
1.49/ppport.h

```


No license file was found, but licenses were detected in source scan.

```
abstract: 'Common Scalar and List utility subroutines'
author:
  - 'Graham Barr <gbarr@cpan.org>'
build_requires:
  ExtUtils::MakeMaker: '0'
configure_requires:
  ExtUtils::MakeMaker: '0'
dynamic_config: 0
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Scalar-List-Utills
no_index:
  directory:
    - t
    - inc
requires:
  Test::More: '0'
  perl: '5.006'
resources:
  bugtracker: https://rt.cpan.org/Public/Dist/Display.html?Name=Scalar-List-Utills
  repository: https://github.com/Scalar-List-Utills/Scalar-List-Utills.git
  version: '1.49'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utills-1.49-2.el8.src.rpm-cosi-
expand-archive-yRiYhbUa/Scalar-List-Utills-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utills-
1.49/META.yml
```

No license file was found, but licenses were detected in source scan.

```
# Copyright (c) 1997-2007 Graham Barr <gbarr@pobox.com>. All rights reserved.
```

```
# This program is free software; you can redistribute it and/or
```

```
# modify it under the same terms as Perl itself.
```

```
=head1 NAME
```

```
Scalar::Util - A selection of general-utility scalar subroutines
```

```
=head1 SYNOPSIS
```

```
use Scalar::Util qw(blessed dualvar isdual readonly refaddr reftype
                    tainted weaken isweak isvstring looks_like_number
                    set_prototype);
```

and other useful utils appearing below

=head1 DESCRIPTION

C<Scalar::Util> contains a selection of subroutines that people have expressed would be nice to have in the perl core, but the usage would not really be high enough to warrant the use of a keyword, and the size would be so small that being individual extensions would be wasteful.

By default C<Scalar::Util> does not export any subroutines.

=cut

=head1 FUNCTIONS FOR
REFERENCES

The following functions all perform some useful activity on reference values.

=head2 blessed

```
my $pkg = blessed( $ref );
```

If C<\$ref> is a blessed reference, the name of the package that it is blessed into is returned. Otherwise C<undef> is returned.

```
$scalar = "foo";  
$class = blessed $scalar;    # undef
```

```
$ref = [];  
$class = blessed $ref;      # undef
```

```
$obj = bless [], "Foo";  
$class = blessed $obj;     # "Foo"
```

Take care when using this function simply as a truth test (such as in C<if(blessed \$ref)...>) because the package name C<"0"> is defined yet false.

=head2 refaddr

```
my $addr = refaddr( $ref );
```

If C<\$ref> is reference, the internal memory address of the referenced value is returned as a plain integer. Otherwise C<undef> is returned.

```
$addr = refaddr "string";    # undef  
$addr = refaddr $var;       # eg 12345678  
$addr = refaddr [];        # eg 23456784
```

```

$obj = bless
{ }, "Foo";
$addr = refaddr $obj;      # eg 88123488

```

=head2 reftype

```

my $type = reftype( $ref );

```

If C<\$ref> is a reference, the basic Perl type of the variable referenced is returned as a plain string (such as C<ARRAY> or C<HASH>). Otherwise C<undef> is returned.

```

$type = reftype "string";      # undef
$type = reftype \ $var;       # SCALAR
$type = reftype [];          # ARRAY

```

```

$obj = bless { }, "Foo";
$type = reftype $obj;         # HASH

```

=head2 weaken

```

weaken( $ref );

```

The lvalue C<\$ref> will be turned into a weak reference. This means that it will not hold a reference count on the object it references. Also, when the reference count on that object reaches zero, the reference will be set to undef. This function mutates the lvalue passed as its argument and returns no value.

This is useful for keeping copies of references, but you don't want to prevent the object being DESTROY-ed at its usual time.

```

{
  my $var;
  $ref = \ $var;
  weaken($ref);          # Make $ref a weak reference
}
# $ref is now undef

```

Note that if you take a copy of a scalar with a weakened reference, the copy will be a strong reference.

```

my $var;
my $foo = \ $var;
weaken($foo);          # Make $foo a weak reference
my $bar = $foo;        # $bar is now a strong reference

```

This may be less obvious in other situations, such as C<grep()>, for instance

when grepping through a list of weakened references to objects that may have been destroyed already:

```
@object = grep { defined } @object;
```

This will indeed remove all references to destroyed objects, but the remaining references to objects will be strong, causing the remaining objects to never be destroyed because there is now always a strong reference to them in the @object array.

```
=head2 unweaken
```

```
unweaken( $ref );
```

I<Since version 1.36.>

The lvalue C<REF> will be turned from a weak reference back into a normal (strong) reference again. This function mutates the lvalue passed as its argument and returns no value. This undoes the action performed by L</weaken>.

This function is slightly neater and more convenient than the otherwise-equivalent code

```
my $tmp = $REF;
undef $REF;
$REF = $tmp;
```

(because in particular, simply assigning a weak reference back to itself does not work to unweaken it; C<\$REF = \$REF> does not work).

```
=head2 isweak
```

```
my $weak = isweak( $ref );
```

Returns true if C<\$ref> is a weak reference.

```
$ref = \foo;
$weak = isweak($ref);      # false
weaken($ref);
$weak = isweak($ref);      # true
```

B<NOTE>: Copying a weak reference creates a normal, strong, reference.

```
$copy = $ref;
$weak = isweak($copy);     # false
```

=head1 OTHER FUNCTIONS

=head2 dualvar

```
my $var = dualvar( $num, $string );
```

Returns a scalar that has the value C<\$num> in a numeric context and the value C<\$string> in a string context.

```
$foo = dualvar 10, "Hello";
$num = $foo + 2;           # 12
$str = $foo . " world";   # Hello world
```

=head2 isdual

```
my $dual = isdual( $var );
```

I<Since version 1.26.>

If C<\$var> is a scalar that has both numeric and string values, the result is true.

```
$foo = dualvar 86, "Nix";
$dual = isdual($foo);    # true
```

Note that a scalar can be made to have both string and numeric content through numeric operations:

```
$foo = "10";
$dual = isdual($foo);    # false
$bar = $foo + 0;
$dual = isdual($foo);    # true
```

Note that although C<\$!> appears to be a dual-valued variable, it is actually implemented as a magical variable inside the interpreter:

```
$! = 1;
print("$!\n");          # "Operation not permitted"
$dual = isdual($!);    # false
```

You can capture its numeric and string content using:

```
$err = dualvar $!, $!;
$dual = isdual($err);   # true
```

=head2

isvstring

```
my $vstring = isvstring( $var );
```

If C<\$var> is a scalar which was coded as a vstring, the result is true.

```
$vs = v49.46.48;
$fmt = isvstring($vs) ? "%vd" : "%s"; #true
printf($fmt,$vs);
```

=head2 looks_like_number

```
my $isnum = looks_like_number( $var );
```

Returns true if perl thinks C<\$var> is a number. See L<perlapi/looks_like_number>.

=head2 openhandle

```
my $fh = openhandle( $fh );
```

Returns C<\$fh> itself if C<\$fh> may be used as a filehandle and is open, or is a tied handle. Otherwise C<undef> is returned.

```
$fh = openhandle(*STDIN);      # \*STDIN
$fh = openhandle(\*STDIN);    # \*STDIN
$fh = openhandle(*NOTOPEN);   # undef
$fh = openhandle("scalar");   # undef
```

=head2 readonly

```
my $ro = readonly( $var );
```

Returns true if C<\$var> is readonly.

```
sub foo { readonly($_[0]) }

$readonly = foo($bar);      # false
$readonly = foo(0);         # true
```

=head2 set_prototype

```
my
$code = set_prototype( $code, $prototype );
```

Sets the prototype of the function given by the C<\$code> reference, or deletes it if C<\$prototype> is C<undef>. Returns the C<\$code> reference itself.

```
set_prototype \&foo, '$$';
```

=head2 tainted

```
my $t = tainted( $var );
```

Return true if C<\$var> is tainted.

```
$taint = tainted("constant");    # false  
$taint = tainted($ENV{PWD});     # true if running under -T
```

=head1 DIAGNOSTICS

Module use may give one of the following errors during import.

=over

=item Weak references are not implemented in the version of perl

The version of perl that you are using does not implement weak references, to use L</isweak> or L</weaken> you will need to use a newer release of perl.

=item Vstrings are not implemented in the version of perl

The version of perl that you are using does not implement Vstrings, to use L</isvstring> you will need to use a newer release of perl.

=back

=head1 KNOWN BUGS

There is a bug in perl5.6.0 with UV's that are $\geq 1 << 31$. This will show up as tests 8 and 9 of dualvar.t failing

=head1 SEE ALSO

L<List::Util>

=head1 COPYRIGHT

Copyright (c) 1997-2007 Graham Barr <gbarr@pobox.com>. All rights reserved.
This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

Additionally L</weaken> and L</isweak> which are

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it under the same terms as Perl itself.

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utils-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/Scalar-List-Utils-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utils-1.49/lib/Scalar/Util.pm

No license file was found, but licenses were detected in source scan.

Copyright (c) 2014 Paul Evans <leonerd@leonerd.org.uk>. All rights reserved.
This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utils-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/Scalar-List-Utils-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utils-1.49/lib/Sub/Util.pm

No license file was found, but licenses were detected in source scan.

This distribution is a replacement for the builtin distribution.

This package contains a selection of subroutines that people have expressed would be nice to have in the perl core, but the usage would not really be high enough to warrant the use of a keyword, and the size so small such that being individual extensions would be wasteful.

After unpacking the distribution, to install this module type

```
perl Makefile.PL
make
make test
make install
```

KNOWN BUGS

There is a bug in perl5.6.0 with UV's that are $\geq 1 < 31$. This will show up as tests 8 and 9 of dualvar.t failing

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modify it under the same terms as Perl itself.

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548127_1591903205.0/0/perl-Scalar-List-Utills-1.49-2.el8.src.rpm-cosi-expand-archive-yRiYhbUa/Scalar-List-Utills-1.49.tar.gz-cosi-expand-archive-J35iwRNQ/Scalar-List-Utills-1.49/README

1.52 perl-pod-escapes 1.07-395.el8

1.52.1 Available under license :

No license file was found, but licenses were detected in source scan.

abstract: unknown

author:

- unknown

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.02, CPAN::Meta::Converter version 2.143240'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'

name: Pod-Escapes

no_index:

directory:

- t

- inc

requires:

Exporter: '0'

perl: '5.006'

strict: '0'

vars: '0'

warnings: '0'

resources:

repository: [git://github.com/neilbowers/Pod-Escapes.git](https://github.com/neilbowers/Pod-Escapes.git)

version: '1.07'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548111_1591901918.14/0/perl-Pod-Escapes-1.07-395.el8.src.rpm-cosi-expand-archive-AcQE8bnL/Pod-Escapes-1.07.tar.gz-cosi-expand-archive-GKGiQnJB/Pod-Escapes-1.07/META.yml

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Escapes - for resolving Pod EE<lt>...E<gt> sequences

=head1 SYNOPSIS

```
use Pod::Escapes qw(e2char);
...la la la, parsing POD, la la la...
$text = e2char($e_node->label);
unless(defined $text) {
    print "Unknown E sequence \"", $e_node->label, "\"!";
}
...else print/interpolate $text...
```

=head1 DESCRIPTION

This module provides things that are useful in decoding Pod EE<lt>...E<gt> sequences. Presumably, it should be used only by Pod parsers and/or formatters.

By default, Pod::Escapes exports none of its symbols. But you can request any of them to be exported.

Either request them individually, as with C<use Pod::Escapes qw(symbolname symbolname2...);>, or you can do C<use Pod::Escapes qw(:ALL);> to get all exportable symbols.

=head1 GOODIES

=over

=item e2char(\$e_content)

Given a name or number that could appear in a C<EE<lt>name_or_numE<gt>> sequence, this returns the string that it stands for. For example, C<e2char('sol')>, C<e2char('47')>, C<e2char('0x2F')>, and C<e2char('057')> all return "/", because C<EE<lt>solE<gt>>, C<EE<lt>47E<gt>>, C<EE<lt>0x2fE<gt>>, and C<EE<lt>057E<gt>>, all mean "/". If the name has no known value (as with a name of "qacute") or is syntactically invalid (as with a name of "1/4"), this returns undef.

=item e2charnum(\$e_content)

Given a name or number that could appear in a C<EE<lt>name_or_numE<gt>> sequence, this returns the number of the Unicode character that this stands for. For example, C<e2char('sol')>, C<e2char('47')>, C<e2char('0x2F')>, and C<e2char('057')> all return 47,

because C<EE<lt>solE<gt>>, C<EE<lt>47E<gt>>, C<EE<lt>0x2fE<gt>>, and C<EE<lt>057E<gt>>, all mean "/", whose Unicode number is 47. If the name has no known value (as with a name of "qacute") or is syntactically invalid (as with a name of "1/4"), this returns undef.

=item \$Name2character{I<name>}

Maps from names (as in C<EE<lt>I<name>E<gt>>) like "eacute" or "sol" to the string that each stands for. Note that this does not include numerics (like "64" or "x981c"). Under old Perl versions (before 5.7) you get a "?" in place of characters whose Unicode value is over 255.

=item \$Name2character_number{I<name>}

Maps from names (as in C<EE<lt>I<name>E<gt>>) like "eacute" or "sol" to the Unicode value that each stands for. For example, C<\$Name2character_number{'eacute'}> is 201, and C<\$Name2character_number{'eacute'}> is 8364. You get the correct Unicode value, regardless of the version of Perl you're using -- which differs from C<%Name2character>'s behavior under pre-5.7 Perls.

Note that this hash does not include numerics (like "64" or "x981c").

=item \$Latin1Code_to_fallback{I<integer>}

For numbers in the range 160 (0x00A0) to 255 (0x00FF), this maps from the character code for a Latin-1 character (like 233 for lowercase e-acute) to the US-ASCII character that best approximates it (like "e"). You may find this useful if you are rendering POD in a format that you think deals well only with US-ASCII characters.

=item \$Latin1Char_to_fallback{I<character>}

Just as above, but maps from characters (like "\xE9", lowercase e-acute) to characters (like "e").

=item \$Code2USASCII{I<integer>}

This maps from US-ASCII codes (like 32) to the corresponding character (like space, for 32). Only characters 32 to 126 are defined. This is meant for use by C<e2char(\$x)> when it senses that it's running on a non-ASCII platform (where chr(32) doesn't get you a space -- but \$Code2USASCII{32} will). It's

documented here just in case you might find it useful.

=back

=head1 CAVEATS

On Perl versions before 5.7, Unicode characters with a value over 255 (like lambda or emdash) can't be conveyed. This module does work under such early Perl versions, but in the place of each such character, you get a "?". Latin-1 characters (characters 160-255) are unaffected.

Under EBCDIC platforms, `C<e2char($n)>` may not always be the same as `C<chr(e2charnum($n))>`, and ditto for `C<$Name2character{$name}>` and `C<chr($Name2character_number{$name})>`, because the strings are returned as native, and the numbers are returned as Unicode. However, for Perls starting with v5.8, `C<e2char($n)>` is the same as `C<chr(utf8::unicode_to_native(e2charnum($n)))>`, and ditto for `C<$Name2character{$name}>` and `C<chr(utf8::unicode_to_native($Name2character_number{$name}))>`.

=head1 SEE ALSO

[L<Pod::Browser>](#) - a pod web server based on [L<Catalyst>](#).

[L<Pod::Checker>](#) - check pod documents for syntax errors.

[L<Pod::Coverage>](#) - check if the documentation for a module is comprehensive.

[L<perlpod>](#) - description of pod format (for people documenting with pod).

[L<perlpodspec>](#) - specification of pod format (for people processing it).

[L<Text::Unidecode>](#) - ASCII transliteration of Unicode text.

=head1 REPOSITORY

[L<https://github.com/neilbowers/Pod-Escapes>](https://github.com/neilbowers/Pod-Escapes)

=head1 COPYRIGHT AND DISCLAIMERS

Copyright (c) 2001-2004 Sean M. Burke. All rights reserved.

This

library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

Portions of the data tables in this module are derived from the entity declarations in the W3C XHTML specification.

Currently (October 2001), that's these three:

```
http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent
http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent
```

```
=head1 AUTHOR
```

```
Sean M. Burke C<sburke@cpan.org>
```

```
Now being maintained by Neil Bowers E<lt>neilb@cpan.orgE<gt>
```

```
=cut
```

```
#~~~~~
```

```
# What I used for reading the XHTML .ent files:
```

```
my(@norms, @good, @bad);
my $dir = 'c:/sgml/docbook/';
my %escapes;
foreach my $file (qw(
  xhtml-symbol.ent
  xhtml-lat1.ent
  xhtml-special.ent
)) {
  open(IN,
    "<$dir$file") or die "can't read-open $dir$file: $!";
  print "Reading $file...\n";
  while(<IN>) {
    if(m/<!ENTITY\s+(\S+)\s+"&#(?:[^\s;]+);"/) {
      my($name, $value) = ($1,$2);
      next if $name eq 'quot' or $name eq 'apos' or $name eq 'gt';

      $value = hex $1 if $value =~ m/^\x([a-fA-F0-9]+)$/s;
      print "ILLEGAL VALUE $value" unless $value =~ m/^\d+$/s;
      if($value > 255) {
        push @good , sprintf " %-10s , chr(%s),\n", "$name", $value;
        push @bad , sprintf " %-10s , \\\$bad,\n", "$name", $value;
      } else {
        push @norms, sprintf " %-10s , chr(%s),\n", "$name", $value;
      }
    }
  }
}
```

```

    }
    } elsif(m/<!ENT/) {
        print "# Skipping $_" ;
    }

}
close(IN);
}

print @norms;
print "\n ( \$.] .= 5.006001 ? (\n";
print @good;
print " ) : (\n";
print @bad;
print " )\n);\n";

__END__
#~~~~~

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548111_1591901918.14/0/perl-Pod-Escapes-1.07-395.el8.src.rpm-cosi-
expand-archive-AcQE8bnL/Pod-Escapes-1.07.tar.gz-cosi-expand-archive-GKGiQNjB/Pod-Escapes-
1.07/lib/Pod/Escapes.pm

```

No license file was found, but licenses were detected in source scan.

License: GPL+ or Artistic

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548111_1591901918.14/0/perl-Pod-Escapes-1.07-395.el8.src.rpm-cosi-
expand-archive-AcQE8bnL/perl-Pod-Escapes.spec

```

1.53 perl-data-dumper 2.167-399.el8

1.53.1 Available under license :

No license file was found, but licenses were detected in source scan.

abstract: unknown

author:

- unknown

build_requires:

ExtUtils::MakeMaker: '0'

Test::More: '0.98'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 0

generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150001'

license: unknown
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: '1.4'
name: Data-Dumper
no_index:
directory:
- t
- inc
requires: { }
resources:
MailingList: <http://lists.cpan.org/showlist.cgi?name=perl5-porters>
bugtracker: <http://rt.perl.org/perlbug/>
repository: 'git://perl5.git.perl.org/perl.git perl-git'
version: '2.161'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-expand-archive-lxnDj2VA/Data-Dumper-2.161.tar.gz-cosi-expand-archive-6LzdXmyr/Data-Dumper-2.161/META.yml

No license file was found, but licenses were detected in source scan.

/*

ppport.h -- Perl/Pollution/Portability Version 3.31

Automatically created by Devel::PPPport running under perl 5.022001.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.31

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--version show version

--patch=file write one patch file with changes

--copy=suffix write changed copies with suffix

--diff=program use diff program and options

--compat-version=version
 provide compatibility with Perl version

--cplusplus accept C++ comments

--quiet don't output anything except fatal errors

--nodiag don't show diagnostics

--nohints don't show hints

--nochanges don't suggest changes

--nofilter don't filter input files

--strip strip all script and doc functionality from
 ppport.h

--list-provided list provided API

--list-unsupported list unsupported API

--api-info=name show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

=head2 --version

Display the version of F<ppport.h>.

=head2 --patch=I<file>

If this option is given,
a single patch file will be created if
any changes are suggested. This requires a working diff program
to be installed on your system.

=head2 --copy=*I*<suffix>

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automatically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

=head2 --diff=*I*<program>

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

=head2 --compat-version=*I*<version>

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003.

You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

=head2 --cplusplus

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability

notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>.

This

reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

```
perl ppport.h --list-provided
```

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether your module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source file), use:

```
#define NEED_function
#define NEED_variable
```

For a global function or variable (used in multiple source files), use:

```
#define NEED_function_GLOBAL
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the

same function or variable in your project.

Function / Variable	Static Request	Global Request
PL_parser	NEED_PL_parser	NEED_PL_parser_GLOBAL
PL_signals	NEED_PL_signals	NEED_PL_signals_GLOBAL
caller_cx()	NEED_caller_cx	NEED_caller_cx_GLOBAL
eval_pv()	NEED_eval_pv	NEED_eval_pv_GLOBAL
grok_bin()	NEED_grok_bin	NEED_grok_bin_GLOBAL
grok_hex()	NEED_grok_hex	NEED_grok_hex_GLOBAL
grok_number()	NEED_grok_number	NEED_grok_number_GLOBAL
grok_numeric_radix()	NEED_grok_numeric_radix	NEED_grok_numeric_radix_GLOBAL
grok_oct()	NEED_grok_oct	NEED_grok_oct_GLOBAL
load_module()	NEED_load_module	NEED_load_module_GLOBAL
mg_findext()	NEED_mg_findext	NEED_mg_findext_GLOBAL
my_snprintf()	NEED_my_snprintf	NEED_my_snprintf_GLOBAL
my_sprintf()	NEED_my_sprintf	NEED_my_sprintf_GLOBAL
my_strlcat()	NEED_my_strlcat	NEED_my_strlcat_GLOBAL
my_strlcpy()	NEED_my_strlcpy	NEED_my_strlcpy_GLOBAL
newCONSTSUB()	NEED_newCONSTSUB	NEED_newCONSTSUB_GLOBAL
newRV_noinc()	NEED_newRV_noinc	NEED_newRV_noinc_GLOBAL
newSV_type()	NEED_newSV_type	NEED_newSV_type_GLOBAL
newSVpv_n_flags()	NEED_newSVpv_n_flags	NEED_newSVpv_n_flags_GLOBAL
newSVpv_n_share()	NEED_newSVpv_n_share	NEED_newSVpv_n_share_GLOBAL
pv_display()	NEED_pv_display	NEED_pv_display_GLOBAL
pv_escape()	NEED_pv_escape	NEED_pv_escape_GLOBAL
pv_pretty()	NEED_pv_pretty	NEED_pv_pretty_GLOBAL
sv_2pv_flags()	NEED_sv_2pv_flags	NEED_sv_2pv_flags_GLOBAL
sv_2pvbyte()	NEED_sv_2pvbyte	NEED_sv_2pvbyte_GLOBAL
sv_catpvf_mg()	NEED_sv_catpvf_mg	NEED_sv_catpvf_mg_GLOBAL
sv_catpvf_mg_nocontext()	NEED_sv_catpvf_mg_nocontext	NEED_sv_catpvf_mg_nocontext_GLOBAL
sv_pvn_force_flags()	NEED_sv_pvn_force_flags	NEED_sv_pvn_force_flags_GLOBAL
sv_setpvf_mg()	NEED_sv_setpvf_mg	NEED_sv_setpvf_mg_GLOBAL
sv_setpvf_mg_nocontext()	NEED_sv_setpvf_mg_nocontext	NEED_sv_setpvf_mg_nocontext_GLOBAL
sv_unmagicext()	NEED_sv_unmagicext	NEED_sv_unmagicext_GLOBAL
vload_module()	NEED_vload_module	NEED_vload_module_GLOBAL
vnewSVpvf()	NEED_vnewSVpvf	NEED_vnewSVpvf_GLOBAL
warn()	NEED_warner	NEED_warner_GLOBAL

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running `F<ppport.h>` on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether `F<ppport.h>` is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, `F<ppport.h>` can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different `C<diff>` program or options, using the `C<--diff>` option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

```
perl ppport.h --copy=.new
```

To display portability information for the `C<newSVpv>` function, use:

```
perl ppport.h --api-info=newSVpv
```

Since the argument to C<--api-info> can be a regular expression, you can use

```
perl ppport.h --api-info=/_nomg$/
```

to display portability information for all C<_nomg> functions or

```
perl ppport.h --api-info=./
```

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPport> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPport> and is causing failure of this module, please file a bug report here: L<<https://github.com/mhx/Devel-PPPport/issues/>>

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPort> module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPort>.

=cut

use strict;

Disable broken TRIE-optimization

BEGIN { eval '\${RE_TRIE_MAXBUF} = -1' if \$] >= 5.009004 && \$] <= 5.009005 }

my \$VERSION = 3.31;

```
my %opt = (
  quiet  => 0,
  diag   => 1,
  hints  => 1,
  changes => 1,
  cplusplus => 0,
  filter
    => 1,
  strip  => 0,
  version => 0,
);
```

```
my($ppport) = $0 =~ /([\w.]+)$/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[\t]";          # horizontal whitespace
```

Never use C comments in this file!

```
my $ccs = '/.*';
my $cce = '.*.'/;
my $rcs = quotemeta $ccs;
```

```

my $rcce = quotemeta $cce;

eval {
    require Getopt::Long;
    Getopt::Long::GetOptions(\%opt, qw(
        help quiet diag! filter! hints! changes! cplusplus strip version
        patch=s copy=s diff=s compat-version=s
        list-provided list-unsupported api-info=s
    )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
    usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
    die "Getopt::Long not found. Please don't use any options.\n";
}

if ($opt{version}) {
    print "This is $0 $VERSION.\n";
    exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
    my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
    if ($@) {
        die "Invalid version number format: '$opt{'compat-version'}'\n";
    }
    die "Only Perl 5 is supported\n" if $r != 5;
    die "Invalid version number: '$opt{'compat-version'}'\n" if $v >= 1000 || $s >= 1000;
    $opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
    $opt{'compat-version'} = 5;
}

my %API = map { /^(\w+)\|([^\|]*)\|([^\|]*)\|(\w*)$/
    ? ( $1 => {
        ($2          ? ( base   => $2 ) : ()),
        ($3          ? ( todo   => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),
    } )
    : die "invalid spec: $_" } qw(
ASCII_TO_NEED|5.007001|n
AvFILLp|5.004050|p

```


AvFILL|||
BhkDISABLE|5.021008|
BhkENABLE|5.021008|
BhkENTRY_set|5.021008|
BhkENTRY|||
BhkFLAGS|||
CALL_BLOCK_HOOKS|||
CLASS|||n
CPERLscope|5.005000|p
CX_CURPAD_SAVE|||
CX_CURPAD_SV|||
CopFILEAV|5.006000|p
CopFILEGV_set|5.006000|p
CopFILEGV|5.006000|p
CopFILESV|5.006000|p
CopFILE_set|5.006000|p
CopFILE|5.006000|p
CopSTASHPV_set|5.006000|p
CopSTASHPV|5.006000|p
CopSTASH_eq|5.006000|p
CopSTASH_set|5.006000|p
CopSTASH|5.006000|p
CopyD|5.009002|5.004050|p
Copy|||
CvPADLIST|5.008001|
CvSTASH|||
CvWEAKOUTSIDE|||
DEFSV_set|5.010001|p
DEFSV|5.004050|p
END_EXTERN_C|5.005000|p
ENTER|||
ERRSV|5.004050|p
EXTEND|||
EXTERN_C|5.005000|p
F0convert|||n
FREEMPS|||
GIMME_V||5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002|p
G_ARRAY|||
G_DISCARD|||
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sv_setsv_nomg|5.007002|p
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to_uni_upper|5.007003|
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to_utf8_fold|5.015007|
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to_utf8_substr|||
to_utf8_title|5.015007|
to_utf8_upper|5.015007|
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yyerror_pvn|||
yyerror_pv|||
yyerror|||

```

yylex|||
yyvsparse|||
yyunlex|||
yywarn|||
);

if
(exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", 'x'(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;
my($hint, $define,
$function);

sub find_api
{
my $code = shift;
$code =~ s{
/ (? : \*[^\*]*\*+(?:[^\$ccs][^\*]*\*+)* /| /[\r\n]*
| "[^"\\]*(?:\\.[^"\\]*)*"
| '[^'\\]*(?:\\.[^'\\]*)*' }{ } egsx;
grep { exists $API{$_} } $code =~ /(\w+)/mg;
}

while (<DATA>) {
if ($hint) {
my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
if (m{^\s*\s*(.*?)\s*$}) {
for (@{$hint->[1]}) {
$h->{$_} ||= ""; # suppress warning with older perls
$h->{$_} .= "$1\n";
}
}
else { undef $hint }
}

$hint = [$1, [split /,?\s+/, $2]]
if m{^\s*$rccs\s+(Hint|Warning):\s+(\w+(?:,\s+\w+)*)\s*$};

```

```

if ($define) {
  if ($define->[1] =~ /\$/) {
    $define->[1] .= $_;
  }
  else {
    if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_(/() {
      my @n = find_api($define->[1]);
      push @{$depends{$define->[0]}}, @n if @n
    }
    undef $define;
  }
}

$define = [$1, $2] if m{^s*#s*define\s+(\w+)(?:\([^\)]*\))?\s+(.*)};

if ($function)
{
  if (/^/) {
    if (exists $API{$function->[0]}) {
      my @n = find_api($function->[1]);
      push @{$depends{$function->[0]}}, @n if @n
    }
    undef $function;
  }
  else {
    $function->[1] .= $_;
  }
}

$function = [$1, ""] if m{^DPPP_(my_(\w+))};

$replace = $1 if m{^s*$rccs\s+Replace:\s+(\d+)\s+$rcces*s*$};
$replace{$2} = $1 if $replace and m{^s*#s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^s*#s*define\s+(\w+)(?:\([^\)]*\))?\s+(\w+).*rccs\s+Replace\s+$rcces*};
$replace{$1} = $2 if m{^s*$rccs\s+Replace (\w+) with (\w+)\s+$rcces*s*$};

if (m{^s*$rccs\s+(\w+(\s*,\s*\w+)*)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcces*s*$}) {
  my @deps = map { s/\s+//g; $_ } split /,/, $3;
  my $d;
  for $d (map { s/\s+//g; $_ } split /,/, $1) {
    push @{$depends{$d}}, @deps;
  }
}

$need{$1} = 1 if m{^#if\s+defined\((NEED_(\w+)(?:_GLOBAL)?)\)};
}

for (values %depends) {

```

```

my %s;
$_ = [sort grep !$_s{$_}++,
@$_];
}

if (exists $opt{'api-info'}) {
my $f;
my $count = 0;
my $match = $opt{'api-info'} =~ m!^(.*)/$! ? $1 : "\Q$opt{'api-info'}\E\$";
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $f =~ /$match/;
print "\n=== $f ===\n\n";
my $info = 0;
if ($API{$f}{base} || $API{$f}{todo}) {
my $base = format_version($API{$f}{base} || $API{$f}{todo});
print "Supported at least starting from perl-$base.\n";
$info++;
}
if ($API{$f}{provided}) {
my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
print "Support by $ppport provided back to perl-$todo.\n";
print "Support needs to be explicitly requested by NEED_$f.\n" if exists $need{$f};
print "Depends on: ", join(', ', @{$depends{$f}}), ".\n" if exists $depends{$f};
print "\n$hints{$f}" if exists $hints{$f};
print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
$info++;
}
print "No portability information available.\n"
unless $info;
$count++;
}
$count or print "Found no API matching '$opt{'api-info'}'.";
print "\n";
exit 0;
}

if (exists $opt{'list-provided'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{provided};
my @flags;
push @flags, 'explicit' if exists $need{$f};
push @flags, 'depend' if exists $depends{$f};
push @flags, 'hint' if exists $hints{$f};
push @flags, 'warning' if exists $warnings{$f};
my $flags = @flags ? '['.join(', ', @flags).']' : '';
print "$f$flags\n";
}
}

```

```

exit 0;
}

my @files;
my @srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

if (@ARGV) {
my %seen;
for (@ARGV) {
if (-e) {
if (-f) {
push @files, $_ unless $seen{$_}++;
}
else { warn "'$_' is not a file.\n" }
}
else {
my @new = grep { -f } glob $_
or warn "'$_' does not exist.\n";
push @files, grep { !$seen{$_}++ } @new;
}
}
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /($srcext)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($?) {
@files = map { glob ".*$_" } @srcext;
}
}

if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /\.(.*)\.xs$/ ? ("1.c" => 1, "1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\bQ$ppport\E$/i || !/($srcext)$/i;
push @ { $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
}

```

```

die "No input files given!\n" unless @files;

my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

for $filename (@files) {
    unless (open IN, "<$filename") {
        warn "Unable to read from $filename: $!\n";
        next;
    }

    info("Scanning $filename ...");

    my $c = do { local $/; <IN> };
    close IN;

    my %file = (orig => $c, changes => 0);

    # Temporarily remove C/XS comments and strings from the code
    my @ccom;

    $c =~ s{
        ( ^$HS*#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*
        | ^$HS*#$HS*(?:define|elif|if(?:def?))\b[^\r\n]* )
    | ( ^$HS*\#[^\r\n]*
        | "[^\\]*(?:\\\[^\n]*)*"
        | '[^\\]*(?:\\\[^\n]*)*'
        | /(?: \*[^\n]*\*+(?:\^[^$ccs][^\n]*\*+)* /|/[^\r\n]* ) )
    }{ defined $2 and push @ccom, $2;
        defined $1 ? $1 : "$ccs$#ccom$cce" }mgsex;

    $file{ccom} = \@ccom;
    $file{code} = $c;
    $file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;

    my $func;

    for $func (keys %API) {
        my $match = $func;
        $match .= "$revreplace{$func}" if exists $revreplace{$func};
        if ($c =~ /\b(?:Perl_)?($match)\b/) {
            $file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
            $file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
            if (exists $API{$func}{provided}) {
                $file{uses_provided}{$func}++;
            }
        }
    }
}

```

```

if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
    $file{uses}{$func}++;
    my @deps = rec_depend($func);
    if (@deps) {
        $file{uses_deps}{$func} = \@deps;
        for (@deps) {
            $file{uses}{$_} = 0 unless exists $file{uses}{$_};
        }
    }
    for ($func, @deps) {
        $file{needs}{$_} = 'static' if exists $need{$_};
    }
}
}
if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
    if ($c =~ /\b$func\b/) {
        $file{uses_todo}{$func}++;
    }
}
}
}

```

```

while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
    if (exists $need{$2}) {
        $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
    }
    else { warning("Possibly wrong #define $1 in $filename") }
}

```

```

for (qw(uses needs uses_todo needed_global needed_static)) {
    for $func (keys %{$file{$_}}) {
        push
        @{$global{$_}{$func}}, $filename;
    }
}

```

```

$files{$filename} = \%file;
}

```

Globally resolve NEED_'s

```

my $need;
for $need (keys %{$global{needs}}) {
    if (@{$global{needs}{$need}} > 1) {
        my @targets = @{$global{needs}{$need}};
        my @t = grep $files{$_}{needed_global}{$need}, @targets;
        @targets = @t if @t;
        @t = grep /\.xs$/i, @targets;
        @targets = @t if @t;
    }
}

```



```

my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
    $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}

for $filename (@files) {
exists $files{$filename} or next;

info("=== Analyzing $filename ===");

my %file = %{$files{$filename}};
my $func;
my $c = $file{code};
my $warnings = 0;

for $func (sort keys %{$file{uses_Perl}}) {
    if ($API{$func}{varargs}) {
        unless ($API{$func}{nothxarg}) {
            my $changes = ($c =~ s{\b(Perl_?func\s*(\s*)(?!aTHX_?)()\[[^\s]*\])}
                { $1 . ($2
eq ')? 'aTHX' : 'aTHX_ ' ) . $2 }ge);
            if ($changes) {
                warning("Doesn't pass interpreter argument aTHX to Perl_$func");
                $file{changes} += $changes;
            }
        }
    }
}
else {
    warning("Uses Perl_$func instead of $func");
    $file{changes} += ($c =~ s{\bPerl_?func\s*(\s*)(\s*aTHX_?)?\s*}
        {$func$1{}g});
}
}

for $func (sort keys %{$file{uses_replace}}) {
    warning("Uses $func instead of $replace{$func}");
    $file{changes} += ($c =~ s{\b$func\b/$replace{$func}/g});
}

for $func (sort keys %{$file{uses_provided}}) {
    if ($file{uses}{$func}) {
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        }
    }
    else {

```

```

    diag("Uses $func");
  }
}
$warnings += hint($func);
}

unless ($opt{quiet}) {
  for $func (sort keys %{$file{uses_todo}}) {
    print "*** WARNING: Uses $func, which may not be portable
below perl ",
      format_version($API{$func}{todo}), ", even with '$ppport'\n";
    $warnings++;
  }
}

for $func (sort keys %{$file{needed_static}}) {
  my $message = "";
  if (not exists $file{uses}{$func}) {
    $message = "No need to define NEED_$func if $func is never used";
  }
  elsif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
    $message = "No need to define NEED_$func when already needed globally";
  }
  if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_$func\b.*$LF//mg);
  }
}

for $func (sort keys %{$file{needed_global}}) {
  my $message = "";
  if (not exists $global{uses}{$func}) {
    $message = "No need to define NEED_{$func}_GLOBAL if $func is never used";
  }
  elsif (exists $file{needs}{$func}) {
    if ($file{needs}{$func} eq 'extern') {
      $message = "No need to define NEED_{$func}_GLOBAL when already needed globally";
    }
    elsif
($file{needs}{$func} eq 'static') {
      $message = "No need to define NEED_{$func}_GLOBAL when only used in this file";
    }
  }
  if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_{$func}_GLOBAL\b.*$LF//mg);
  }
}

```

```

$file{needs_inc_ppport} = keys % {$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = "";

    for $func (sort keys % {$file{needs}}) {
        my $type = $file{needs}{$func};
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "";
        unless (exists $file{"needed_$type"}{$func}) {
            if ($type eq 'global') {
                diag("Files [@$global{needs}{$func}] need $func, adding global request");
            }
            else {
                diag("File needs $func, adding static request");
            }
            $pp .= "#define NEED_$func$suffix\n";
        }
    }
}

if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
    $pp = "";
    $file{changes}++;
}

unless
($file{has_inc_ppport}) {
    diag("Needs to include '$ppport'");
    $pp .= qq(#include "$ppport"\n)
}

if ($pp) {
    $file{changes} += ($c =~ s/^(($HS*#$HS*define$HS+NEED_\w+.*?)/$1$pp/ms)
        || ($c =~ s/^(?=$HS*#$HS*include.*\Q$ppport\E)/$pp/m)
        || ($c =~ s/^(($HS*#$HS*include.*XSUB.*\s*?)/$1$pp/m)
        || ($c =~ s/^\$pp/);
}
}

else {
    if ($file{has_inc_ppport}) {
        diag("No need to include '$ppport'");
        $file{changes} += ($c =~ s/^\$HS*?#$HS*include.*\Q$ppport\E.*?$LF//m);
    }
}

# put back in our C comments
my $ix;

```

```

my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{plusplus} && $ccom[$ix] =~ s!^/!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rcs$ix$rcce/$ccs$ccom[$ix] $cce/;
    }
    else {
        $c =~ s/$rcs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment$s, which is
not portable");
}

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : "";
info("Analysis completed$warn");

if ($file{changes}) {
    if (exists $opt{copy}) {
        my $newfile = "$filename$opt{copy}";
        if (-e $newfile) {
            error("' $newfile' already exists, refusing to write copy of '$filename'");
        }
        else {
            local *F;
            if (open F, ">$newfile") {
                info("Writing copy of '$filename' with changes to '$newfile'");
                print F $c;
                close F;
            }
            else {
                error("Cannot open '$newfile' for writing: $!");
            }
        }
    }
    elsif (exists $opt{patch} || $opt{changes}) {
        if (exists $opt{patch}) {
            unless ($patch_opened) {
                if (open PATCH, ">$opt{patch}") {
                    $patch_opened = 1;
                }
            }
            else {
                error("Cannot open '$opt{patch}' for writing: $!");
            }
        }
    }
}

```

```

        delete $opt{patch};
        $opt{changes} = 1;
        goto fallback;
    }
}
mydiff(\*PATCH, $filename, $c);
}
else {
fallback:
    info("Suggested changes:");
    mydiff(\*STDOUT, $filename, $c);
}
}
else {
    my $s = $file{changes} == 1 ? " : 's';
    info("$file{changes} potentially required change$s detected");
}
}
else {
    info("Looks good");
}
}

```

```
close PATCH if $patch_opened;
```

```
exit 0;
```

```
sub try_use { eval "use @_;"; return $@ eq " }
```

```

sub mydiff
{
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and try_use("Text::Diff")) {
        $diff = Text::Diff::diff($file, \$str, { STYLE => 'Unified' });
        $diff = <<<HEADER . $diff;
    }
    --- $file
    +++ $file.patched
    HEADER
}

```

```

if (!defined $diff) {
    $diff = run_diff('diff -u', $file, $str);
}

if (!defined $diff) {
    $diff = run_diff('diff', $file, $str);
}

if (!defined $diff) {
    error("Cannot
generate a diff. Please install Text::Diff or use --copy.");
    return;
}

print F $diff;
}

sub run_diff
{
    my($prog, $file, $str) = @_ ;
    my $tmp = 'dppptemp';
    my $suf = 'aaa';
    my $diff = "";
    local *F;

    while (-e "$tmp.$suf") { $suf++ }
    $tmp = "$tmp.$suf";

    if (open F, ">$tmp") {
        print F $str;
        close F;

        if (open F, "$prog $file $tmp |") {
            while (<F>) {
                s/\Q$tmp\E/$file.patched/;
                $diff .= $_;
            }
            close F;
            unlink $tmp;
            return $diff;
        }

        unlink $tmp;
    }
    else {
        error("Cannot open '$tmp' for writing: $!");
    }
}

```

```

return undef;
}

sub rec_depend
{
my($func, $seen) = @_;
return () unless exists $depends{$func};
$seen = {%{$seen|{}}};
return () if $seen->{$func}++;
my %s;
grep !${$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
my $ver = shift;

if ($ver =~ /^(d+)\.(d+)\.(d+)$/) {
return ($1, $2, $3);
}
elsif ($ver !~ /^d+\.[d_]+$/) {
die "cannot parse version '$ver'\n";
}

$ver =~ s/_//g;
$ver =~ s/$/000000/;

my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
if ($s % 10) {
die "cannot parse version '$ver'\n";
}
}

return ($r, $v, $s);
}

sub format_version
{
my $ver = shift;

$ver =~ s/$/000000/;
my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

```

```

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "invalid version '$ver'\n";
    }
    $s /= 10;

    $ver = sprintf "%d.%03d", $r, $v;
    $s > 0 and $ver .= sprintf "_%02d", $s;

    return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;

sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** ", @_, "\n";
}

sub error
{
    print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub
hint
{
    $opt{quiet} and return;
    my $func = shift;

```



```

my $rv = 0;
if (exists $warnings{$func} && !$given_warnings{$func}++) {
    my $warn = $warnings{$func};
    $warn =~ s/^\!*** !mg;
    print "*** WARNING: $func\n", $warn;
    $rv++;
}
if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
    my $hint = $hints{$func};
    $hint =~ s/^\s+ /mg;
    print " --- hint for $func ---\n", $hint;
}
$rv;
}

sub usage
{
    my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
    my %M = ( 'T' => '*' );
    $usage =~ s/^\s*perl\s+\S+/$^X $0/;
    $usage =~ s/([A-Z])<([>]+)>/M{$1}$2M{$1}/g;

    print <<ENDUSAGE;

Usage: $usage

See perldoc $0 for details.

ENDUSAGE

exit 2;
}

sub strip
{
    my $self = do { local(@ARGV,$/)=($0); <> };
    my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
    $copy =~ s/^(?=\S+)/ /gms;
    $self =~ s/^\$HS+Do NOT edit.*?(?=\^-)/$copy/ms;
    $self =~ s/^\$SKIP.*(?:=__DATA__)/SKIP
if (\@ARGV && \$_[0])
    eq '--unstrip' {
    eval { require Devel::PPPport };
    \$_ and die "Cannot require Devel::PPPport, please install.\n";
    if (eval \$_[0]::VERSION < $VERSION) {
        die "$0 was originally generated with Devel::PPPport $VERSION.\n"
            . "Your Devel::PPPport is only version \$_[0]::VERSION.\n"
            . "Please install a newer version, or --unstrip will not work.\n";
    }
}

```

```

}
Devel::PPPport::WriteFile(\$0);
exit 0;
}
print <<END;

```

Sorry, but this is a stripped version of \\$0.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

```
\$^X \$0 --unstrip
```

```

END
/ms;
my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
$c =~ s{
  /(?: \*[^\*]*\*(?:[^\$ccs][^\*]*\*)* / | /[\r\n]*
  | ("["\*\?:\.["\*\?:"*)
  | '["\*\?:\.["\*\?:"*)
  | ($HS+) }{ defined $2 ? "' : ($1 || ") }gsex;
$c =~ s!\s+!!mg;
$c =~ s!^\$LF!!mg;
$c =~ s!\s*#\s*!#!mg;
$c =~ s!\s+!!mg;

open OUT, ">$0" or die "cannot strip $0: $!\n";
print OUT "$pl$c\n";

exit 0;
}

```

```
__DATA__
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-
expand-archive-lxnDj2VA/Data-Dumper-2.161.tar.gz-cosi-expand-archive-6LzdXmyr/Data-Dumper-2.161/ppport.h
No license file was found, but licenses were detected in source scan.
```

=head1 NAME

Data::Dumper - stringified perl data structures, suitable for both printing and C<eval>

=head1 SYNOPSIS

```
use Data::Dumper;
```

```

# simple procedural interface
print Dumper($foo, $bar);

# extended usage with names
print Data::Dumper->Dump([$foo, $bar], [qw(foo *ary)]);

# configuration variables
{
    local $Data::Dumper::Purity = 1;
    eval Data::Dumper->Dump([$foo, $bar], [qw(foo *ary)]);
}

# OO usage
$d = Data::Dumper->new([$foo, $bar], [qw(foo *ary)]);
...
print $d->Dump;
...
$d->Purity(1)->Terse(1)->Deepcopy(1);
eval $d->Dump;

```

=head1 DESCRIPTION

Given a list of scalars or reference variables, writes out their contents in perl syntax. The references can also be objects. The content of each variable is output in a single Perl statement. Handles self-referential structures correctly.

The return value can be C<eval>ed to get back an identical copy of the original reference structure. (Please do consider the security implications of eval'ing code from untrusted sources!)

Any references that are the same as one of those passed in will be named C<\$VAR>I<n> (where I<n> is a numeric suffix), and other duplicate references to substructures within C<\$VAR>I<n> will be appropriately labeled using arrow notation. You can specify names for individual values to be dumped if you use the C<Dump()> method, or you can change the default C<\$VAR> prefix to something else. See C<\$Data::Dumper::Vname> and C<\$Data::Dumper::Terse> below.

The default output of self-referential structures can be C<eval>ed, but the nested references to C<\$VAR>I<n> will be undefined, since a recursive structure cannot be constructed using one Perl statement. You should set the C<Purity> flag to 1 to get additional statements that will correctly fill in these references. Moreover, if C<eval>ed when strictures are in effect, you need to ensure that

any variables it accesses are previously declared.

In the extended usage form, the references to be dumped can be given user-specified names. If a name begins with a C<*>, the output will describe the dereferenced type of the supplied reference for hashes and arrays, and coderefs. Output of names will be avoided where possible if the C<Terse> flag is set.

In many cases, methods that are used to set the internal state of the object will return the object itself, so method calls can be conveniently chained together.

Several styles of output are possible, all controlled by setting the C<Indent> flag. See L<Configuration Variables or Methods> below for details.

=head2 Methods

=over 4

=item I<PACKAGE>->new(I<ARRAYREF [>, I<ARRAYREF]>)

Returns a newly created C<Data::Dumper> object. The first argument is an anonymous array of values to be dumped. The optional second argument is an anonymous array of names for the values. The names need not have a leading C<\$> sign, and must

be comprised of alphanumeric characters. You can begin a name with a C<*> to specify that the dereferenced type must be dumped instead of the reference itself, for ARRAY and HASH references.

The prefix specified by C<\$Data::Dumper::Varname> will be used with a numeric suffix if the name for a value is undefined.

Data::Dumper will catalog all references encountered while dumping the values. Cross-references (in the form of names of substructures in perl syntax) will be inserted at all possible points, preserving any structural interdependencies in the original set of values. Structure traversal is depth-first, and proceeds in order from the first supplied value to the last.

=item I<\$OBJ>->Dump I<or> I<PACKAGE>->Dump(I<ARRAYREF [>, I<ARRAYREF]>)

Returns the stringified form of the values stored in the object (preserving the order in which they were supplied to C<new>), subject to the configuration options below. In a list context, it returns a list of strings corresponding to the

supplied values.

The second form, for convenience, simply calls the C<new> method on its arguments before dumping the object immediately.

```
=item I<$OBJ>->Seen(I<[HASHREF]>)
```

Queries or adds to the internal table of already encountered references. You must use C<Reset> to explicitly clear the table if needed. Such references are not dumped; instead, their names are inserted wherever they are encountered subsequently. This is useful especially for properly dumping subroutine references.

Expects an anonymous hash of name => value pairs. Same rules apply for names as in C<new>. If no argument is supplied, will return the "seen" list of name => value pairs, in a list context. Otherwise, returns the object itself.

```
=item I<$OBJ>->Values(I<[ARRAYREF]>)
```

Queries or replaces the internal array of values that will be dumped. When called without arguments, returns the values as a list. When called with a reference to an array of replacement values, returns the object itself. When called with any other type of argument, dies.

```
=item I<$OBJ>->Names(I<[ARRAYREF]>)
```

Queries or replaces the internal array of user supplied names for the values that will be dumped. When called without arguments, returns the names. When called with an array of replacement names, returns the object itself. If the number of replacement names exceeds the number of values to be named, the excess names will not be used. If the number of replacement names falls short of the number of values to be named, the list of replacement names will be exhausted and remaining values will not be renamed. When called with any other type of argument, dies.

```
=item I<$OBJ>->Reset
```

Clears the internal table of "seen" references and returns the object itself.

```
=back
```

```
=head2 Functions
```

```
=over 4
```

=item Dumper(I<LIST>)

Returns the stringified form of the values in the list, subject to the configuration options below. The values will be named C<\$VAR>I<n> in the output, where I<n> is a numeric suffix. Will return
a list of strings
in a list context.

=back

=head2 Configuration Variables or Methods

Several configuration variables can be used to control the kind of output generated when using the procedural interface. These variables are usually C<local>ized in a block so that other parts of the code are not affected by the change.

These variables determine the default state of the object created by calling the C<new> method, but cannot be used to alter the state of the object thereafter. The equivalent method names should be used instead to query or set the internal state of the object.

The method forms return the object itself when called with arguments, so that they can be chained together nicely.

=over 4

=item *

\$Data::Dumper::Indent I<or> I<\$OBJ>->Indent(I<[NEWVAL]>)

Controls the style of indentation. It can be set to 0, 1, 2 or 3. Style 0 spews output without any newlines, indentation, or spaces between list items. It is the most compact format possible that can still be called valid

perl. Style 1 outputs a readable form with newlines but no fancy indentation (each level in the structure is simply indented by a fixed amount of whitespace). Style 2 (the default) outputs a very readable form which takes into account the length of hash keys (so the hash value lines up). Style 3 is like style 2, but also annotates the elements of arrays with their index (but the comment is on its own line, so array output consumes twice the number of lines). Style 2 is the default.

=item *

\$Data::Dumper::Trailingcomma I<or> I<\$OBJ>->Trailingcomma(I<[NEWVAL]>)

Controls whether a comma is added after the last element of an array or

hash. Even when true, no comma is added between the last element of an array or hash and a closing bracket when they appear on the same line. The default is false.

=item *

`$Data::Dumper::Purity I<or> I<$OBJ>->Purity(I<[NEWVAL]>)`

Controls the degree to which the output can be C<eval>ed to recreate the supplied reference structures. Setting it to 1 will output additional perl statements that will correctly recreate nested references. The default is 0.

=item *

`$Data::Dumper::Pad I<or> I<$OBJ>->Pad(I<[NEWVAL]>)`

Specifies the string that will be prefixed to every line of the output. Empty string by default.

=item *

`$Data::Dumper::Varname I<or> I<$OBJ>->Varname(I<[NEWVAL]>)`

Contains the prefix to use for tagging variable names in the output. The default is "VAR".

=item *

`$Data::Dumper::Useqq I<or> I<$OBJ>->Useqq(I<[NEWVAL]>)`

When set, enables the use of double quotes for representing string values. Whitespace other than space will be represented as C<[n\t\r]>, "unsafe" characters will be backslashed, and unprintable characters will be output as quoted octal integers. The default is 0.

=item *

`$Data::Dumper::Terse I<or> I<$OBJ>->Terse(I<[NEWVAL]>)`

When set, `Data::Dumper` will emit single, non-self-referential values as atoms/terms rather than statements. This means that the C<\$VAR>I<n> names will be avoided where possible, but be advised that such output may not always be parseable by C<eval>.

=item *

`$Data::Dumper::Freezer I<or> $I<OBJ>->Freezer(I<[NEWVAL]>)`

Can be set to a method name, or to an empty string to disable the feature. `Data::Dumper` will invoke that method via the object before attempting to stringify it. This method can alter the contents of the object (if, for instance, it contains data allocated from C), and even rebless it in a different package. The client is responsible for making sure the specified method can be called via the object, and that the object ends up containing only perl data types after the method has been called. Defaults to an empty string.

If an object does not support the method specified (determined using `UNIVERSAL::can()`) then the call will be skipped. If the method dies a warning will be generated.

=item *

`$Data::Dumper::Toaster I<or> $I<OBJ>->Toaster(I<[NEWVAL]>)`

Can be set to a method name, or to an empty string to disable the feature.

`Data::Dumper` will emit a method call for any objects that are to be dumped using the syntax `C<bless(DATA, CLASS)-E<gt>METHOD()>`. Note that this means that the method specified will have to perform any modifications required on the object (like creating new state within it, and/or reblessing it in a different package) and then return it. The client is responsible for making sure the method can be called via the object, and that it returns a valid object. Defaults to an empty string.

=item *

`$Data::Dumper::Deepcopy I<or> $I<OBJ>->Deepcopy(I<[NEWVAL]>)`

Can be set to a boolean value to enable deep copies of structures. Cross-referencing will then only be done when absolutely essential (i.e., to break reference cycles). Default is 0.

=item *

`$Data::Dumper::Quotekeys I<or> $I<OBJ>->Quotekeys(I<[NEWVAL]>)`

Can be set to a boolean value to control whether hash keys are quoted. A defined false value will avoid quoting hash keys when it looks like a simple string. Default is 1, which will always enclose hash keys in quotes.

=item *

`$Data::Dumper::Bless I<or> $I<OBJ>->Bless(I<[NEWVAL]>)`

Can be set to a string that specifies an alternative to the `C<bless>` builtin operator used to create objects. A function with the specified name should exist, and should accept the same arguments as the builtin. Default is `C<bless>`.

=item *

`$Data::Dumper::Pair I<or> $I<OBJ>->Pair(I<[NEWVAL]>)`

Can be set to a string that specifies the separator between hash keys and values. To dump nested hash, array and scalar values to JavaScript, use: `C<$Data::Dumper::Pair = ' : '>`. Implementing `C<bless>` in JavaScript is left as an exercise for the reader. A function with the specified name exists, and accepts the same arguments as the builtin.

Default is: `C< =E<gt> >`.

=item *

`$Data::Dumper::Maxdepth I<or> $I<OBJ>->Maxdepth(I<[NEWVAL]>)`

Can be set to a positive integer that specifies the depth beyond which we don't venture into a structure. Has no effect when `C<Data::Dumper::Purity>` is set. (Useful in debugger when we often don't want to see more than enough). Default is 0, which means there is no maximum depth.

=item *

`$Data::Dumper::Maxrecurse I<or> $I<OBJ>->Maxrecurse(I<[NEWVAL]>)`

Can be set to a positive integer that specifies the depth beyond which recursion into a structure will throw an exception. This is intended as a security measure to prevent perl running out of stack space when dumping an excessively deep structure. Can be set to 0 to remove the limit. Default is 1000.

=item *

`$Data::Dumper::Useperl I<or> $I<OBJ>->Useperl(I<[NEWVAL]>)`

Can be set to a boolean value which controls whether the pure Perl implementation of `C<Data::Dumper>` is used. The `C<Data::Dumper>` module is

a dual implementation, with almost all functionality written in both pure Perl and also in XS ('C'). Since the XS version is much faster, it will always be used if possible. This option lets you override the default behavior, usually for testing purposes only. Default is 0, which means the XS implementation will be used if possible.

=item *

`$Data::Dumper::Sortkeys I<or> $I<OBJ>->Sortkeys(I<[NEWVAL]>)`

Can be set to a boolean value to control whether hash keys are dumped in sorted order. A true value will cause the keys of all hashes to be dumped in Perl's default sort order. Can also be set to a subroutine reference which will be called for each hash that is dumped. In this case `C<Data::Dumper>` will call the subroutine once for each hash, passing it the reference of the hash. The purpose of the subroutine is to return a reference to an array of the keys that will be dumped, in the order that they should be dumped. Using this feature, you can control both the order of the keys, and which keys are actually used. In other words, this subroutine acts as a filter by which you can exclude certain keys from being dumped. Default is 0, which means that hash keys are not sorted.

=item *

`$Data::Dumper::Deparse I<or> $I<OBJ>->Deparse(I<[NEWVAL]>)`

Can

be set to a boolean value to control whether code references are turned into perl source code. If set to a true value, `C<B::Deparse>` will be used to get the source of the code reference. Using this option will force using the Perl implementation of the dumper, since the fast XSUB implementation doesn't support it.

Caution : use this option only if you know that your coderefs will be properly reconstructed by `C<B::Deparse>`.

=item *

`$Data::Dumper::Sparseseen I<or> $I<OBJ>->Sparseseen(I<[NEWVAL]>)`

By default, `Data::Dumper` builds up the "seen" hash of scalars that it has encountered during serialization. This is very expensive. This seen hash is necessary to support and even just detect circular references. It is exposed to the user via the `C<Seen()>` call both for writing and reading.

If you, as a user, do not need explicit access to the "seen" hash, then you can set the `C<Sparseseen>` option to allow `Data::Dumper` to eschew building the "seen" hash for scalars that are known not to possess more than one reference. This speeds up serialization considerably if you use the XS implementation.

Note: If you turn on `C<Sparseseen>`, then you must not rely on the content of the seen hash since its contents will be an implementation detail!

=back

=head2 Exports

=over 4

=item Dumper

=back

=head1 EXAMPLES

Run these code snippets to get a quick feel for the behavior of this module. When you are through with these examples, you may want to add or change the various configuration variables described above, to see their behavior. (See the testsuite in the `Data::Dumper` distribution for more examples.)

```
use Data::Dumper;

package Foo;
sub new {bless {'a' => 1, 'b' => sub { return "foo" }}, $_[0]};

package Fuz;          # a weird REF-REF-SCALAR object
sub new {bless \($_ = \ 'fu'z'), $_[0]};

package main;
$foo = Foo->new;
$fuz = Fuz->new;
$boo = [ 1, [], "abcd", \*foo,
        { 1 => 'a', 023 => 'b',
          0x45 => 'c'},
        \\ "p\q\r", $foo, $fuz];

#####
# simple usage
```

```

#####

$bar = eval(Dumper($boo));
print($@) if $@;
print Dumper($boo), Dumper($bar); # pretty print (no array indices)

$Data::Dumper::Terse = 1;    # don't output names where feasible
$Data::Dumper::Indent = 0;  # turn off all pretty print
print Dumper($boo), "\n";

$Data::Dumper::Indent = 1;   # mild pretty print
print Dumper($boo);

$Data::Dumper::Indent = 3;   # pretty print with array indices
print Dumper($boo);

$Data::Dumper::Useqq = 1;    # print strings in double quotes
print Dumper($boo);

$Data::Dumper::Pair = " : "; # specify hash key/value separator
print Dumper($boo);

#####
# recursive structures
#####

@c = ('c');
$c = \@c;
$b = {};
$a = [1, $b, $c];
$b->{a} = $a;
$b->{b} = $a->[1];
$b->{c} = $a->[2];
print Data::Dumper->Dump([$a,$b,$c], [qw(a b c)]);

$Data::Dumper::Purity = 1;    # fill in the holes for eval
print Data::Dumper->Dump([$a, $b], [qw(*a b)]); # print as @a
print Data::Dumper->Dump([$b, $a], [qw(*b a)]); # print as %b

$Data::Dumper::Deepcopy = 1;  # avoid cross-refs
print Data::Dumper->Dump([$b, $a], [qw(*b a)]);

$Data::Dumper::Purity = 0;    # avoid cross-refs
print Data::Dumper->Dump([$b, $a], [qw(*b a)]);

```

```

#####
# deep structures
#####

$a = "pearl";
$b = [ $a ];
$c = { 'b' => $b };
$d = [ $c ];
$e = { 'd' => $d };
$f = { 'e' => $e };
print Data::Dumper->Dump([$f], [qw(f)]);

$Data::Dumper::Maxdepth = 3;    # no deeper than 3 refs down
print Data::Dumper->Dump([$f], [qw(f)]);

#####
# object-oriented usage
#####

$d = Data::Dumper->new([$a,$b], [qw(a b)]);
$d->Seen({'*c' => $c});          # stash a ref without printing it
$d->Indent(3);
print $d->Dump;
$d->Reset->Purity(0);
    # empty the seen cache
print join "----\n", $d->Dump;

#####
# persistence
#####

package Foo;
sub new { bless { state => 'awake' }, shift }
sub Freeze {
    my $s = shift;
    print STDERR "preparing to sleep\n";
    $s->{state} = 'asleep';
    return bless $s, 'Foo::ZZZ';
}

package Foo::ZZZ;
sub Thaw {
    my $s = shift;
    print STDERR "waking up\n";
    $s->{state} = 'awake';
}

```

```

    return bless $s, 'Foo';
}

package main;
use Data::Dumper;
$a = Foo->new;
$b = Data::Dumper->new([$a], ['c']);
$b->Freezer('Freeze');
$b->Toaster('Thaw');
$c = $b->Dump;
print $c;
$d = eval $c;
print Data::Dumper->Dump([$d], ['d']);

#####
# symbol substitution (useful for recreating CODE refs)
#####

sub foo { print "foo speaking\n" }
*other = \&foo;
$bar = [ \&other ];
$d = Data::Dumper->new([\&other,$bar],['*other','bar']);

$d->Seen({ '*foo' => \&foo });
print $d->Dump;

#####
# sorting and filtering hash keys
#####

my $Data::Dumper::Sortkeys = \&my_filter;
my $foo = { map { (ord, "$_$_$_") } T..'Q' };
my $bar = { %$foo };
my $baz = { reverse %$foo };
print Dumper [ $foo, $bar, $baz ];

sub my_filter {
    my ($hash) = @_ ;
    # return an array ref containing the hash keys to dump
    # in the order that you want them to be dumped
    return [
        # Sort the keys of %$foo in reverse numeric order
        $hash eq $foo ? (sort { $b <=> $a } keys %$hash) :
        # Only dump the odd number keys of %$bar
        $hash eq $bar ? (grep { $_ % 2 } keys %$hash) :
        # Sort keys in default order for all other hashes
    ]
}

```

```
        (sort keys %$hash)
    ];
}
```

=head1 BUGS

Due to limitations of Perl subroutine call semantics, you cannot pass an array or hash. Prepend it with a `C<\>` to pass its reference instead. This will be

remedied in time, now that Perl has subroutine prototypes.

For now, you need to use the extended usage form, and prepend the name with a `C<*>` to output it as a hash or array.

`C<Data::Dumper>` cheats with CODE references. If a code reference is encountered in the structure being processed (and if you haven't set the `C<Deparse>` flag), an anonymous subroutine that contains the string `"DUMMY"` will be inserted in its place, and a warning will be printed if `C<Purity>` is set. You can `C<eval>` the result, but bear in mind that the anonymous sub that gets created is just a placeholder. Someday, perl will have a switch to cache-on-demand the string representation of a compiled piece of code, I hope. If you have prior knowledge of all the code refs that your data structures are likely to have, you can use the `C<Seen>` method to pre-seed the internal reference table and make the dumped output point to them, instead. See [L</EXAMPLES>](#) above.

The `C<Deparse>` flag makes `Dump()` run slower, since the XSUB implementation does not support it.

SCALAR objects have the weirdest looking `C<bless>` workaround.

Pure Perl version of `C<Data::Dumper>` escapes UTF-8 strings correctly only in Perl 5.8.0 and later.

=head2 NOTE

Starting from Perl 5.8.1 different runs of Perl will have different ordering of hash keys. The change was done for greater security, see [L<perlsec/"Algorithmic Complexity Attacks">](#). This means that different runs of Perl will have different `Data::Dumper` outputs if the data contains hashes. If you need to have identical `Data::Dumper` outputs from different runs of Perl, use the environment variable `PERL_HASH_SEED`, see [L<perlrun/PERL_HASH_SEED>](#). Using this restores the old (platform-specific) ordering: an even prettier solution might be to use the `C<Sortkeys>` filter of `Data::Dumper`.

=head1 AUTHOR

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=head1 VERSION

Version 2.161 (July 11 2016)

=head1 SEE ALSO

perl(1)

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-expand-archive-lxnDj2VA/Data-Dumper-2.161.tar.gz-cosi-expand-archive-6LzdXmyr/Data-Dumper-2.161/Dumper.pm

No license file was found, but licenses were detected in source scan.

From 9f38b6c605086a67f0d92591f8e8dc99bc1d9164 Mon Sep 17 00:00:00 2001

From: =?UTF-8?q?Petr=P3=ADsa=C5=99?= <ppisar@redhat.com>

Date: Thu, 11 May 2017 09:25:35 +0200

Subject: [PATCH] Upgrade to 2.167

MIME-Version: 1.0

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: 8bit

Unbundled from perl-5.25.12.

Signed-off-by: Petr P3sa <ppisar@redhat.com>

Changes | 14 ++++++

Dumper.pm | 47 ++++++++-----

Dumper.xs | 167 +++-----

t/bugs.t | 37 ++++++++-----

t/deparsed.t | 22 +++++---

5 files changed, 207 insertions(+), 80 deletions(-)

diff --git a/Changes b/Changes

index f9ea53f..a5430d5 100644

--- a/Changes

+++ b/Changes

@@ -6,6 +6,20 @@ Changes - public release history for Data::Dumper

=over 8

+item 2,166 (Nov 29 2016)

+

+Reduce memory usage by not importing from Carp

+Reduce memory usage by removing unused overload require.

+

+item

2.165 (Nov 20 2016)

+

+Remove impediment to compiling under C++11.

+

+item 2.164 (Nov 12 2016)

+

+The XS implementation now handles the C<Deparse> option, so using it no

+longer forces use of the pure-Perl version.

+

=item 2.161 (Jul 11 2016)

Perl 5.12 fix/workaround until fixed PPPort release.

```
diff --git a/Dumper.pm b/Dumper.pm
```

```
index c71ad35..00f6326 100644
```

```
--- a/Dumper.pm
```

```
+++ b/Dumper.pm
```

```
@@ -10,16 +10,15 @@
```

```
package Data::Dumper;
```

```
BEGIN {
```

```
- $VERSION = '2.161'; # Don't forget to set version and release
```

```
+ $VERSION = '2.167'; # Don't forget to set version and release
```

```
}          # date in POD below!
```

```
#$| = 1;
```

```
use 5.006_001;
```

```
require Exporter;
```

```
-require overload;
```

```
-use Carp;
```

```
+use Carp ();
```

```
BEGIN {
```

```
    @ISA = qw(Exporter);
```

```
@@ -70,7 +69,7 @@ $Maxrecurse = 1000    unless defined $Maxrecurse;
```

```
sub new {
```

```
    my($c, $v, $n) = @_;
```

```

- croak "Usage: PACKAGE->new(ARRAYREF, [ARRAYREF])"
+ Carp::croak("Usage: PACKAGE->new(ARRAYREF, [ARRAYREF])")
  unless
  (defined($v) && (ref($v) eq 'ARRAY'));
  $n = [] unless (defined($n) && (ref($n) eq 'ARRAY'));

@@ -170,11 +169,11 @@ sub Seen {
    $s->{seen}{$id} = [$k, $v];
  }
  else {
-   carp "Only refs supported, ignoring non-ref item \$$k";
+   Carp::carp("Only refs supported, ignoring non-ref item \$$k");
  }
  }
  else {
-   carp "Value of ref must be defined; ignoring undefined item \$$k";
+   Carp::carp("Value of ref must be defined; ignoring undefined item \$$k");
  }
  }
  return $s;
@@ -195,7 +194,7 @@ sub Values {
  return $s;
  }
  else {
-   croak "Argument to Values, if provided, must be array ref";
+   Carp::croak("Argument to Values, if provided, must be array ref");
  }
  }
  else {
@@ -214,7 +213,7 @@ sub Names {
  return $s;
  }
  else {
-   croak "Argument to Names, if provided, must be array ref";
+   Carp::croak("Argument to Names, if provided, must be array
ref");
  }
  }
  else {
@@ -227,7 +226,6 @@ sub DESTROY {}
sub Dump {
  return &Dumpxs
  unless $Data::Dumper::Useperl || (ref($_[0]) && $_[0]->{useperl})
-   || $Data::Dumper::Deparse || (ref($_[0]) && $_[0]->{deparse})

  # Use pure perl version on earlier releases on EBCDIC platforms
  || (! $IS_ASCII && $] lt 5.021_010);
@@ -439,7 +437,7 @@ sub _dump {

```

```

    if (ref($s->{sortkeys}) eq 'CODE') {
        $keys = $s->{sortkeys}($val);
        unless (ref($keys) eq 'ARRAY') {
-         carp "Sortkeys subroutine did not return ARRAYREF";
+         Carp::carp("Sortkeys subroutine did not return ARRAYREF");
            $keys = [];
        }
    }
@@ -487,16 +485,16 @@ sub _dump {
    require B::Deparse;
    my $sub = 'sub ' . (B::Deparse->new)->coderef2text($val);
    $pad = $s->{sep} . $s->{pad} . $s->{apad} . $s->{xpad} x ($s->{level} - 1);
-    $sub =~ s/\n/$pad/gse;
+    $sub =~ s/\n/$pad/g;
    $out .= $sub;
}
else {
    $out .= 'sub { "DUMMY" }';
-    carp "Encountered CODE ref, using dummy placeholder" if $s->{purity};
+    Carp::carp("Encountered CODE ref, using dummy placeholder") if $s->{purity};
}
}
else {
-    croak "Can't handle '$realtype' type";
+    Carp::croak("Can't handle '$realtype' type");
}

    if ($realpack and !$no_bless) { # we have a blessed ref
@@ -1212,9 +1210,10 @@ $Data::Dumper::Deparse I<or> $I<OBJ>->Deparse(I<[NEWVAL]>)

```

Can be set to a boolean value to control whether code references are turned into perl source code. If set to a true value, C<B::Deparse> -will be used to get the source of the code reference. Using this option -will force using the Perl implementation of the dumper, since the fast -XSUB implementation doesn't support it. +will be used to get the source of the code reference. In older versions, +using this option imposed a significant performance penalty when dumping +parts of a data structure other than code references, but that is no +longer the case.

Caution : use this option only if you know that your coderefs will be properly reconstructed by C<B::Deparse>. @@ -1435,15 +1434,9 @@ the C<Deparse> flag), an anonymous subroutine that contains the string "DUMMY" will be inserted in its place, and a warning will be printed if C<Purity> is set. You can C<eval> the result, but bear in mind that the anonymous sub that gets created is just a placeholder. -Someday, perl will have a switch to cache-on-demand the string

-representation of a compiled piece of code, I hope. If you have prior
-knowledge of all the code refs that your data structures are likely
-to have, you can use the C<Seen> method to pre-seed the internal reference
-table and make the dumped output point to them, instead. See L</EXAMPLES>
-above.

-
-The C<Deparse> flag makes Dump() run slower, since the XSUB
-implementation does not support it.
+Even using the C<Deparse>
flag will in some cases produce results that
+behave differently after being passed to C<eval>; see the documentation
+for L<B::Deparse>.

SCALAR objects have the weirdest looking C<bless> workaround.

@@ -1466,13 +1459,13 @@ be to use the C<Sortkeys> filter of Data::Dumper.

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=head1 VERSION

-Version 2.161 (July 11 2016)
+Version 2.167 (January 4 2017)

=head1 SEE ALSO

```
diff --git a/Dumper.xs b/Dumper.xs
index b22088f..0e7142e 100644
--- a/Dumper.xs
+++ b/Dumper.xs
@@ -63,6 +63,7 @@ typedef struct {
     I32 useqq;
     int use_sparse_seen_hash;
     int trailingcomma;
+   int deparse;
} Style;

static STRLEN num_q (const char *s, STRLEN slen);
@@ -369,7 +370,7 @@ esc_q_utf8(pTHX_ SV*
sv, const char *src, STRLEN slen, I32 do_utf8, I32 useqq)
    UV k;

    if (do_utf8
```

```

-     && ! isASCII(*(U8*)s)
+     && ! isASCII(*s)
    /* Exclude non-ASCII low ordinal controls. This should be
    * optimized out by the compiler on ASCII platforms; if not
    * could wrap it in a #ifdef EBCDIC, but better to avoid
@@ -387,11 +388,11 @@ esc_q_utf8(pTHX_ SV* sv, const char *src, STRLEN slen, I32 do_utf8, I32 useqq)
    increment = (k == 0 && *s != '\0') ? 1 : UTF8SKIP(s);

#if PERL_VERSION < 10
-     sprintf(r, "\\x{% "UVxf" }", k);
+     sprintf(r, "\\x{% " UVxf " }", k);
    r += strlen(r);
    /* my_sprintf is not supported by ppport.h */
#else
-     r = r + my_sprintf(r, "\\x{% "UVxf" }", k);
+     r = r + my_sprintf(r, "\\x{% " UVxf " }", k);
#endif
    continue;
}
@@ -505,6 +506,53
@@ sv_x(pTHX_ SV *sv, const char *str, STRLEN len, I32 n)
    return sv;
}

+static SV *
+deparsed_output(pTHX_ SV *val)
+{
+ SV *text;
+ int n;
+ dSP;
+
+ /* This is passed to load_module(), which decrements its ref count and
+ * modifies it (so we also can't reuse it below) */
+ SV *pkg = newSVpvs("B::Deparse");
+
+ load_module(PERL_LOADMOD_NOIMPORT, pkg, 0);
+
+ SAVETMPS;
+
+ PUSHMARK(SP);
+ mXPUSHs(newSVpvs("B::Deparse"));
+ PUTBACK;
+
+ n = call_method("new", G_SCALAR);
+ SPAGAIN;
+
+ if (n != 1) {
+     croak("B::Deparse->new returned %d items, but expected exactly 1", n);

```

```

+ }
+
+ PUSHMARK(SP - n);
+ XPUSHs(val);
+ PUTBACK;
+
+ n = call_method("coderef2text", G_SCALAR);
+ SPAGAIN;
+
+ if (n != 1) {
+     croak("$b_deparse->coderef2text returned %d items, but expected exactly 1", n);
+ }
+
+ text = POPs;
+ SvREFCNT_inc(text);    /* the caller will mortalise this */
+
+ FREEMPS;
+
+ PUTBACK;
+
+
+ return text;
+}
+
+/*
+ * This ought to be split into smaller functions. (it is one long function since
+ * it exactly parallels the perl version, which was one long thing for
+ @@ -565,14 +613,14 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
+ *seenhv,
+     i = perl_call_method(SvPVX_const(style->freezer), G_EVAL|G_VOID|G_DISCARD);
+     SPAGAIN;
+     if (SvTRUE(ERRSV))
+ - warn("WARNING(Freezer method call failed): %"SVf"", ERRSV);
+ + warn("WARNING(Freezer method call failed): %"SVf, ERRSV);
+     PUTBACK; FREEMPS; LEAVE;
+ }
+
+ ival = SvRV(val);
+ reatype = SvTYPE(ival);
+ #ifdef DD_USE_OLD_ID_FORMAT
+ -     idlen = my_snprintf(id, sizeof(id), "0x%"UVxf, PTR2UV(ival));
+ +     idlen = my_snprintf(id, sizeof(id), "0x%"UVxf, PTR2UV(ival));
+ #else
+ id_buffer = PTR2UV(ival);
+ idlen = sizeof(id_buffer);
+ @@ -630,7 +678,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
+ *seenhv,
+ #ifdef DD_USE_OLD_ID_FORMAT

```

```

        warn("ref name not found for %s", id);
#else
-   warn("ref name not found for 0x%"UVxf, PTR2UV(ival));
+   warn("ref name not found for 0x%" UVxf, PTR2UV(ival));
#endif
    return 0;
}
@@ -848,10 +896,10 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    ilen = inamelen;
    sv_setiv(ixsv, ix);
#if PERL_VERSION < 10
-   (void) sprintf(iname+ilen, "%IVdf, (IV)ix);
+   (void) sprintf(iname+ilen, "% IVdf, (IV)ix);
    ilen = strlen(iname);
#else
-   ilen = ilen + my_sprintf(iname+ilen, "%IVdf, (IV)ix);
+   ilen = ilen + my_sprintf(iname+ilen, "% IVdf, (IV)ix);
#endif
    iname[ilen++] = ']'; iname[ilen] = '\0';
    if (style->indent >= 3) {
@@ -886,7 +934,6 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    SV *sname;
    HE *entry = NULL;
    char *key;
-   STRLEN klen;
    SV *hval;
    AV *keys = NULL;

@@@ -976,6
+1023,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV *seenhv,
    char *nkey_buffer = NULL;
    STRLEN nticks = 0;
    SV* keysv;
+   STRLEN klen;
    STRLEN keylen;
    STRLEN nlen;
    bool do_utf8 = FALSE;
@@@ -1029,7 +1077,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    if (style->quotekeys || key_needs_quote(key, keylen)) {
        if (do_utf8 || style->useqq) {
            STRLEN ocur = SvCUR(retval);
-           nlen = esc_q_utf8(aTHX_ retval, key, klen, do_utf8, style->useqq);
+           klen = nlen = esc_q_utf8(aTHX_ retval, key, klen, do_utf8, style->useqq);
            nkey = SvPVX(retval) + ocur;
        }
    }

```

```

        else {
@@ -1095,9 +1143,41 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,
    SvREFCNT_dec(totpad);
}
else if (realtype == SVt_PVCV) {
- sv_catpvs(retval, "sub { \"DUMMY\" }");
-     if (style->purity)
- warn("Encountered CODE ref, using dummy placeholder");
+     if (style->deparse) {
+         SV *deparsed = sv_2mortal(deparsed_output(aTHX_ val));
+         SV *fullpad = sv_2mortal(newSVsv(style->sep));
+         const char *p;
+         STRLEN plen;
+         I32 i;
+
+         sv_catsv(fullpad, style->pad);
+         sv_catsv(fullpad, apad);
+         for (i = 0; i < level; i++) {
+             sv_catsv(fullpad, style->xpad);
+         }
+
+         sv_catpvs(retval, "sub ");
+         p = SvPV(deparsed, plen);
+         while (plen > 0) {
+             const char *nl = (const char *) memchr(p, '\n', plen);
+             if (!nl) {
+                 sv_catpvn(retval, p, plen);
+                 break;
+             }
+
+         else {
+             size_t n = nl - p;
+             sv_catpvn(retval, p, n);
+             sv_catsv(retval, fullpad);
+             p += n + 1;
+             plen -= n + 1;
+         }
+     }
+ }
+ }
+ else {
+     sv_catpvs(retval, "sub { \"DUMMY\" }");
+     if (style->purity)
+         warn("Encountered CODE ref, using dummy placeholder");
+ }
}
else {
    warn("cannot handle ref type %d", (int)realtype);

```



```

@@ -1144,7 +1224,7 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen, SV *retval, HV
*seenhv,

if (namelen) {
#ifdef DD_USE_OLD_ID_FORMAT
- idlen = my_snprintf(id, sizeof(id), "0x%"UVxf, PTR2UV(val));
+ idlen = my_snprintf(id, sizeof(id), "0x%" UVxf, PTR2UV(val));
#else
id_buffer = PTR2UV(val);
idlen = sizeof(id_buffer);
@@ -1184,9 +1264,9 @@ DD_dump(pTHX_ SV *val, const char *name, STRLEN namelen,
SV *retval, HV *seenhv,
if (DD_is_integer(val)) {
STRLEN len;
if (SvIsUV(val))
- len = my_snprintf(tmpbuf, sizeof(tmpbuf), "%"UVuf, SvUV(val));
+ len = my_snprintf(tmpbuf, sizeof(tmpbuf), "%" UVuf, SvUV(val));
else
- len = my_snprintf(tmpbuf, sizeof(tmpbuf), "%IVdf, SvIV(val));
+ len = my_snprintf(tmpbuf, sizeof(tmpbuf), "% IVdf, SvIV(val));
if (SvPOK(val)) {
/* Need to check to see if this is a string such as " 0".
I'm assuming from sprintf isn't going to clash with utf8. */
@@ -1412,53 +1492,55 @@ Data_Dumper_Dumpxs(href, ...)
&& (hv = (HV*)SvRV((SV*)href))
&& SvTYPE(hv) == SVt_PVHV) {

- if ((svp = hv_fetch(hv, "seen", 4, FALSE)) && SvROK(*svp))
+ if ((svp = hv_fetchs(hv, "seen", FALSE)) && SvROK(*svp))
seenhv = (HV*)SvRV(*svp);
else
style.use_sparse_seen_hash = 1;
- if ((svp = hv_fetch(hv, "noseen", 6, FALSE)))
+ if ((svp
= hv_fetchs(hv, "noseen", FALSE)))
style.use_sparse_seen_hash = (SvOK(*svp) && SvIV(*svp) != 0);
- if ((svp = hv_fetch(hv, "todump", 6, FALSE)) && SvROK(*svp))
+ if ((svp = hv_fetchs(hv, "todump", FALSE)) && SvROK(*svp))
todumpav = (AV*)SvRV(*svp);
- if ((svp = hv_fetch(hv, "names", 5, FALSE)) && SvROK(*svp))
+ if ((svp = hv_fetchs(hv, "names", FALSE)) && SvROK(*svp))
namesav = (AV*)SvRV(*svp);
- if ((svp = hv_fetch(hv, "indent", 6, FALSE)))
+ if ((svp = hv_fetchs(hv, "indent", FALSE))
style.indent = SvIV(*svp);
- if ((svp = hv_fetch(hv, "purity", 6, FALSE)))
+ if ((svp = hv_fetchs(hv, "purity", FALSE))
style.purity = SvIV(*svp);

```

```

- if ((svp = hv_fetch(hv, "terse", 5, FALSE)))
+ if ((svp = hv_fetchs(hv, "terse", FALSE)))
    terse = SvTRUE(*svp);
- if ((svp = hv_fetch(hv, "useqq", 5, FALSE)))
+ if ((svp = hv_fetchs(hv, "useqq", FALSE)))
    style.useqq = SvTRUE(*svp);
- if ((svp
= hv_fetch(hv, "pad", 3, FALSE)))
+ if ((svp = hv_fetchs(hv, "pad", FALSE)))
    style.pad = *svp;
- if ((svp = hv_fetch(hv, "xpad", 4, FALSE)))
+ if ((svp = hv_fetchs(hv, "xpad", FALSE)))
    style.xpad = *svp;
- if ((svp = hv_fetch(hv, "apad", 4, FALSE)))
+ if ((svp = hv_fetchs(hv, "apad", FALSE)))
    apad = *svp;
- if ((svp = hv_fetch(hv, "sep", 3, FALSE)))
+ if ((svp = hv_fetchs(hv, "sep", FALSE)))
    style.sep = *svp;
- if ((svp = hv_fetch(hv, "pair", 4, FALSE)))
+ if ((svp = hv_fetchs(hv, "pair", FALSE)))
    style.pair = *svp;
- if ((svp = hv_fetch(hv, "varname", 7, FALSE)))
+ if ((svp = hv_fetchs(hv, "varname", FALSE)))
    varname = *svp;
- if ((svp = hv_fetch(hv, "freezer", 7, FALSE)))
+ if ((svp = hv_fetchs(hv, "freezer", FALSE)))
    style.freezer = *svp;
- if ((svp = hv_fetch(hv, "toaster", 7, FALSE)))
+ if ((svp = hv_fetchs(hv, "toaster", FALSE)))

    style.toaster = *svp;
- if ((svp = hv_fetch(hv, "deepcopy", 8, FALSE)))
+ if ((svp = hv_fetchs(hv, "deepcopy", FALSE)))
    style.deepcopy = SvTRUE(*svp);
- if ((svp = hv_fetch(hv, "quotekeys", 9, FALSE)))
+ if ((svp = hv_fetchs(hv, "quotekeys", FALSE)))
    style.quotekeys = SvTRUE(*svp);
-    if ((svp = hv_fetch(hv, "trailingcomma", 13, FALSE)))
+    if ((svp = hv_fetchs(hv, "trailingcomma", FALSE)))
        style.trailingcomma = SvTRUE(*svp);
- if ((svp = hv_fetch(hv, "bless", 5, FALSE)))
+    if ((svp = hv_fetchs(hv, "deparse", FALSE)))
+    style.deparse = SvTRUE(*svp);
+ if ((svp = hv_fetchs(hv, "bless", FALSE)))
    style.bless = *svp;
- if ((svp = hv_fetch(hv, "maxdepth", 8, FALSE)))
+ if ((svp = hv_fetchs(hv, "maxdepth", FALSE)))

```

```

        style.maxdepth = SvIV(*svp);
- if ((svp = hv_fetch(hv, "maxrecurse", 10, FALSE)))
+ if ((svp = hv_fetchs(hv,
"maxrecurse", FALSE)))
        style.maxrecurse = SvIV(*svp);
- if ((svp = hv_fetch(hv, "sortkeys", 8, FALSE))) {
+ if ((svp = hv_fetchs(hv, "sortkeys", FALSE))) {
        SV *sv = *svp;
        if (! SvTRUE(sv))
            style.sortkeys = NULL;
@@ -1525,9 +1607,10 @@ Data_Dumper_Dumpxs(href, ...)
    }
    else {
        STRLEN nchars;
- sv_setpvn(name, "$", 1);
+ sv_setpvs(name, "$");
        sv_catsv(name, varname);
- nchars = my_snprintf(tmpbuf, sizeof(tmpbuf), "%IVdf, (IV)(i+1));
+ nchars = my_snprintf(tmpbuf, sizeof(tmpbuf), "% IVdf,
+ (IV)(i+1));
        sv_catpvn(name, tmpbuf, nchars);
    }

@@ -1575,7 +1658,7 @@ Data_Dumper_Dumpxs(href, ...)
    sv_catpvs(retval, ";");
        sv_catsv(retval, style.sep);
    }
- sv_setpvn(valstr, "", 0);
+ SvPVCLEAR(valstr);
    if (gimme == G_ARRAY) {
        XPUSHs(sv_2mortal(retval));
        if (i < imax) /* not the last time thro ? */
diff --git a/t/bugs.t b/t/bugs.t
index a440b0a..5db82da 100644
--- a/t/bugs.t
+++ b/t/bugs.t
@@ -12,7 +12,7 @@ BEGIN {
}

use strict;
-use Test::More tests => 15;
+use Test::More tests => 24;
use Data::Dumper;

{
@@ -144,4 +144,39 @@ SKIP: {
    &$tests;
}

```

```

+{ # https://rt.perl.org/Ticket/Display.html?id=128524
+ my $want;
+ my $runtime = "runtime";
+ my $requires = "requires";
+ utf8::upgrade(my $runtime = $runtime);
+ utf8::upgrade(my $requires = $requires);
+ for my $run ($runtime, $runtime) {
+   for my $req ($requires, $requires) {
+     my $data = { $run => { $req => { foo => "bar" } } };
+     local $Data::Dumper::Useperl = 1;
+     # we want them all the same
+     defined $want or $want = Dumper($data);
+     is(Dumper( $data ), $want, "utf-8 indents");
+     SKIP:
+     {
+       defined &Data::Dumper::Dumpxs
+
+       or skip "No XS available", 1;
+       local $Data::Dumper::Useperl = 0;
+       is(Dumper( $data ), $want, "utf8-indents");
+     }
+   }
+ }
+}
+
+# RT#130487 - stack management bug in XS deparse
+SKIP: {
+ skip "No XS available", 1 if !defined &Data::Dumper::Dumpxs;
+ sub rt130487_args { 0 + @_ }
+ my $code = sub { };
+ local $Data::Dumper::Useperl = 0;
+ local $Data::Dumper::Deparse = 1;
+ my $got = rt130487_args( Dumper($code) );
+ is($got, 1, "stack management in XS deparse works, rt 130487");
+}
+
# EOF
diff --git a/t/deparsed.t b/t/deparsed.t
index c281fce..cddde8c 100644
--- a/t/deparsed.t
+++ b/t/deparsed.t
@@ -15,7 +15,7 @@ BEGIN {
use strict;

use Data::Dumper;
-use Test::More tests => 8;
+use Test::More tests => 16;

```

```

use lib qw( ./t/lib );
use Testing qw( _dumptostr );

@@ -24,7 +24,9 @@ use Testing qw( _dumptostr );

note("\$Data::Dumper::Deparse and Deparse()");

- {
+ for my $useperl (0, 1) {
+   local $Data::Dumper::Useperl
+     = $useperl;
+
+   my ($obj, %dumps, $deparse, $starting);
+   use strict;
+   my $struct = { foo => "bar\nbaz", quux => sub { "fleem" } };
@@ -46,11 +48,11 @@ note("\$Data::Dumper::Deparse and Deparse()");
  $dumps{'objzero'} = _dumptostr($obj);

  is($dumps{'noprev'}, $dumps{'dddzero'},
-   "No previous setting and \$Data::Dumper::Deparse = 0 are equivalent");
+   "No previous setting and \$Data::Dumper::Deparse = 0 are equivalent (useperl=$useperl)");
  is($dumps{'noprev'}, $dumps{'objempty'},
-   "No previous setting and Deparse() are equivalent");
+   "No previous setting and Deparse() are equivalent (useperl=$useperl)");
  is($dumps{'noprev'}, $dumps{'objzero'},
-   "No previous setting and Deparse(0) are equivalent");
+   "No previous setting and Deparse(0) are equivalent (useperl=$useperl)");

  local $Data::Dumper::Deparse = 1;
  $obj = Data::Dumper->new( [ $struct ] );
@@ -62,19 +64,19 @@ note("\$Data::Dumper::Deparse
and Deparse()");
  $dumps{'objone'} = _dumptostr($obj);

  is($dumps{'dddtrue'}, $dumps{'objone'},
-   "\$Data::Dumper::Deparse = 1 and Deparse(1) are equivalent");
+   "\$Data::Dumper::Deparse = 1 and Deparse(1) are equivalent (useperl=$useperl)");

  isnt($dumps{'dddzero'}, $dumps{'dddtrue'},
-   "\$Data::Dumper::Deparse = 0 differs from \$Data::Dumper::Deparse = 1");
+   "\$Data::Dumper::Deparse = 0 differs from \$Data::Dumper::Deparse = 1 (useperl=$useperl)");

  like($dumps{'dddzero'},
    qr/quux.*?sub.*?DUMMY/s,
-   "\$Data::Dumper::Deparse = 0 reports DUMMY instead of deparsing coderef");
+   "\$Data::Dumper::Deparse = 0 reports DUMMY instead of deparsing coderef (useperl=$useperl)");
  unlike($dumps{'dddtrue'},
    qr/quux.*?sub.*?DUMMY/s,

```

```

-   "$Data::Dumper::Deparse = 1 does not report DUMMY");
+   "$Data::Dumper::Deparse = 1 does not report DUMMY (useperl=$useperl)");
    like($dumps{'dddtrue'},
        qr/quux.*?sub.*?use\sstrict.*?fleem/s,
-   "$Data::Dumper::Deparse = 1 deparses coderef");
+   "$Data::Dumper::Deparse = 1 deparses coderef (useperl=$useperl)");
}

```

--

2.9.3

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-expand-archive-lxnDj2VA/Data-Dumper-2.161-Upgrade-to-2.167.patch
```

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548090_1591903283.05/0/perl-Data-Dumper-2.167-399.el8.src.rpm-cosi-expand-archive-lxnDj2VA/perl-Data-Dumper.spec
```

1.54 perl-getopt-long 2.50-4.el8

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----- "Arms are made for hugging" -----

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Version 2, June 1991

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1.55 perl-storable 3.11-3.e18

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/*

ppport.h -- Perl/Pollution/Portability Version 3.40

Automatically created by Devel::PPPport running under perl 5.028000.

Do NOT edit this file directly! -- Edit PPPort_pm.PL and the includes in parts/inc/ instead.

Use 'perldoc ppport.h' to view the documentation below.

SKIP

=pod

=head1 NAME

ppport.h - Perl/Pollution/Portability version 3.40

=head1 SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help	show short help
--version	show version
--patch=file	write one patch file with changes
--copy=suffix	write changed copies with suffix
--diff=program	use diff program and options
--compat-version=version provide compatibility with Perl version	
--cplusplus	accept C++ comments
--quiet	don't output anything except fatal errors
--nodiag	don't show diagnostics
--nohints	don't show hints
--nochanges	don't suggest changes
--nofilter	don't filter input files
--strip	strip all script and doc functionality from ppport.h
--list-provided	list provided API
--list-unsupported	list unsupported API
--api-info=name	show Perl API portability information

=head1 COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.20.

=head1 OPTIONS

=head2 --help

Display a brief usage summary.

```
=head2 --version
```

Display the version of F<ppport.h>.

```
=head2 --patch=I<file>
```

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

```
=head2 --copy=I<suffix>
```

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs. Note that this does not automatically add a dot between the original filename and the suffix. If you want the dot, you have to include it in the option argument.

If neither C<--patch> or C<--copy> are given, the default is to simply print the diffs for each file. This requires either C<Text::Diff> or a C<diff> program to be installed.

```
=head2 --diff=I<program>
```

Manually set the diff program and options to use. The default is to use C<Text::Diff>, when installed, and output unified context diffs.

```
=head2 --compat-version=I<version>
```

Tell F<ppport.h> to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003.

You can use this option to reduce the output of F<ppport.h> if you intend to be backward compatible only down to a certain Perl version.

```
=head2 --cplusplus
```

Usually, F<ppport.h> will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs F<ppport.h> to leave C++ comments untouched.

=head2 --quiet

Be quiet. Don't print anything except fatal errors.

=head2 --nodiag

Don't output any diagnostic messages. Only portability alerts will be printed.

=head2 --nohints

Don't output any hints. Hints often contain useful portability notes. Warnings will still be displayed.

=head2 --nochanges

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

=head2 --nofilter

Don't filter the list of input files. By default, files not looking like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --strip

Strip all script and documentation functionality from F<ppport.h>. This reduces the size of F<ppport.h> dramatically and may be useful if you want to include F<ppport.h> in smaller modules without increasing their distribution size too much.

The stripped F<ppport.h> will have a C<--unstrip> option that allows you to undo the stripping, but only if an appropriate C<Devel::PPPort> module is installed.

=head2 --list-provided

Lists the API elements for which compatibility is provided by F<ppport.h>. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints or warnings for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by F<ppport.h> and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching I<name>. If I<name> is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=over 4

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

```
perl ppport.h --list-provided
```

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the C<PL_> prefix is deprecated. Also, some API functions used to have a C<perl_> prefix. Using this form is also deprecated. You can safely use the supported API, as F<ppport.h> will provide wrappers for older Perl versions.

=item *

If you use one of a few functions or variables that were not present in earlier versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C<#define>s in your source code before the inclusion of F<ppport.h>.

These functions or variables will be marked C<explicit> in the list shown by C<--list-provided>.

Depending on whether your module has a single or multiple files that use such functions or variables, you want either C<static> or global variants.

For a C<static> function or variable (used only in a single source

file), use:

```
#define NEED_function  
#define NEED_variable
```

For a global function or variable (used in multiple source files),
use:

```
#define NEED_function_GLOBAL  
#define NEED_variable_GLOBAL
```

Note that you mustn't have more than one global request for the
same function or variable in your project.

Function / Variable	Static Request	Global Request
PL_parser	NEED_PL_parser	NEED_PL_parser_GLOBAL
PL_signals	NEED_PL_signals	NEED_PL_signals_GLOBAL
SvRX()	NEED_SvRX	NEED_SvRX_GLOBAL
caller_cx()	NEED_caller_cx	NEED_caller_cx_GLOBAL
croak_xs_usage()	NEED_croak_xs_usage	NEED_croak_xs_usage_GLOBAL
die_sv()	NEED_die_sv	NEED_die_sv_GLOBAL
eval_pv()	NEED_eval_pv	NEED_eval_pv_GLOBAL
grok_bin()	NEED_grok_bin	NEED_grok_bin_GLOBAL
grok_hex()	NEED_grok_hex	NEED_grok_hex_GLOBAL
grok_number()	NEED_grok_number	NEED_grok_number_GLOBAL
grok_numeric_radix()	NEED_grok_numeric_radix	NEED_grok_numeric_radix_GLOBAL
grok_oct()	NEED_grok_oct	NEED_grok_oct_GLOBAL
gv_fetchpvn_flags()	NEED_gv_fetchpvn_flags	NEED_gv_fetchpvn_flags_GLOBAL
load_module()	NEED_load_module	NEED_load_module_GLOBAL
mess()	NEED_mess	NEED_mess_GLOBAL
mess_nocontext()	NEED_mess_nocontext	NEED_mess_nocontext_GLOBAL
mess_sv()	NEED_mess_sv	NEED_mess_sv_GLOBAL
mg_findext()	NEED_mg_findext	NEED_mg_findext_GLOBAL
my_snprintf()	NEED_my_snprintf	NEED_my_snprintf_GLOBAL
my_sprintf()	NEED_my_sprintf	NEED_my_sprintf_GLOBAL
my_strlcat()	NEED_my_strlcat	NEED_my_strlcat_GLOBAL
my_strlcpy()	NEED_my_strlcpy	NEED_my_strlcpy_GLOBAL
newCONSTSUB()	NEED_newCONSTSUB	NEED_newCONSTSUB_GLOBAL
newRV_noinc()	NEED_newRV_noinc	NEED_newRV_noinc_GLOBAL
newSV_type()	NEED_newSV_type	NEED_newSV_type_GLOBAL
newSVpvn_flags()	NEED_newSVpvn_flags	NEED_newSVpvn_flags_GLOBAL
newSVpvn_share()	NEED_newSVpvn_share	NEED_newSVpvn_share_GLOBAL
pv_display()	NEED_pv_display	NEED_pv_display_GLOBAL
pv_escape()	NEED_pv_escape	NEED_pv_escape_GLOBAL
pv_pretty()	NEED_pv_pretty	NEED_pv_pretty_GLOBAL
sv_2pv_flags()	NEED_sv_2pv_flags	NEED_sv_2pv_flags_GLOBAL

sv_2pvbyte()	NEED_sv_2pvbyte	NEED_sv_2pvbyte_GLOBAL
sv_catpvf_mg()	NEED_sv_catpvf_mg	NEED_sv_catpvf_mg_GLOBAL
sv_catpvf_mg_nocontext()	NEED_sv_catpvf_mg_nocontext	NEED_sv_catpvf_mg_nocontext_GLOBAL
sv_pvn_force_flags()	NEED_sv_pvn_force_flags	NEED_sv_pvn_force_flags_GLOBAL
sv_setpvf_mg()	NEED_sv_setpvf_mg	NEED_sv_setpvf_mg_GLOBAL
sv_setpvf_mg_nocontext()	NEED_sv_setpvf_mg_nocontext	NEED_sv_setpvf_mg_nocontext_GLOBAL
sv_unmagicext()	NEED_sv_unmagicext	NEED_sv_unmagicext_GLOBAL
vload_module()	NEED_vload_module	NEED_vload_module_GLOBAL
vmess()	NEED_vmess	NEED_vmess_GLOBAL
vnewSVpvf()	NEED_vnewSVpvf	NEED_vnewSVpvf_GLOBAL
warners()	NEED_warners	NEED_warners_GLOBAL

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions / variables using the C<DPPP_NAMESPACE> macro. Just C<#define> the macro before including C<ppport.h>:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C<DPPP_>.

=back

The good thing is that most of the above can be checked by running F<ppport.h> on your source code. See the next section for details.

=head1 EXAMPLES

To verify whether F<ppport.h> is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, F<ppport.h> can be run as a Perl script to check your source code. Simply say:

```
perl ppport.h
```

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

```
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
```

If you only want your code to be scanned without any suggestions for changes, use:

```
perl ppport.h --nochanges
```

You can specify a different C<diff> program or options, using the C<--diff> option:

```
perl ppport.h --diff='diff -C 10'
```

This would output context diffs with 10 lines of context.

If you want to create patched copies of your files instead, use:

```
perl ppport.h --copy=.new
```

To display portability information for the C<newSVpvn> function, use:

```
perl ppport.h --api-info=newSVpvn
```

Since the argument to C<--api-info> can be a regular expression, you can use

```
perl ppport.h --api-info=/_nomg$/
```

to display portability information for all C<_nomg> functions or

```
perl ppport.h --api-info=./.
```

to display information for all known API elements.

=head1 BUGS

If this version of F<ppport.h> is causing failure during the compilation of this module, please check if newer versions of either this module or C<Devel::PPPport> are available on CPAN before sending a bug report.

If F<ppport.h> was generated using the latest version of C<Devel::PPPport> and is causing failure of this module, please send a bug report to L<perlbug@perl.org|mailto:perlbug@perl.org>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please
get the C<Devel::PPPort>
module from CPAN.

=head1 COPYRIGHT

Version 3.x, Copyright (c) 2004-2013, Marcus Holland-Moritz.

Version 2.x, Copyright (C) 2001, Paul Marquess.

Version 1.x, Copyright (C) 1999, Kenneth Albanowski.

This program is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

=head1 SEE ALSO

See L<Devel::PPPort>.

=cut

use strict;

Disable broken TRIE-optimization

BEGIN { eval '\${^RE_TRIE_MAXBUF} = -1' if \$] >= 5.009004 && \$] <= 5.009005 }

```

my $VERSION = 3.40;

my %opt = (
  quiet => 0,
  diag  => 1,
  hints => 1,
  changes => 1,
  cplusplus => 0,
  filter => 1,
  strip  => 0,
  version => 0,
);

my($ppport) = $0 =~ /( [\w.]+ )$/;
my $LF = '(?:\r\n|[\r\n])'; # line feed
my $HS = "[ \t]"; # horizontal whitespace

# Never use C comments in this file!
my $ccs = '!.*';
my $cce = '.*!';
my $rcs = quotemeta $ccs;
my $rce = quotemeta $cce;

eval {
  require Getopt::Long;
  Getopt::Long::GetOptions(\%opt,
    qw(
      help quiet diag! filter! hints! changes! cplusplus strip version
      patch=s copy=s diff=s compat-version=s
      list-provided list-unsupported api-info=s
    )) or usage();
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "@ARGV" =~ /^--?h(?:elp)?$/;
  die "Getopt::Long not found. Please don't use any options.\n";
}

if ($opt{version}) {
  print "This is $0 $VERSION.\n";
  exit 0;
}

usage() if $opt{help};
strip() if $opt{strip};

if (exists $opt{'compat-version'}) {
  my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };

```

```

if ($@) {
    die "Invalid version number format: '$opt{'compat-version'}'\n";
}
die "Only Perl 5 is supported\n" if $r != 5;
die "Invalid version number: $opt{'compat-version'}\n" if $v >= 1000 || $s >= 1000;
$opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
    $opt{'compat-version'} = 5;
}

```

```

my %API = map { /^(\w+)\|([^\|]*)\|([^\|]*)\|(\w*)$/
    ? ( $1 => {
        ($2
        ? ( base => $2 ) : ()),
        ($3
        ? ( todo => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ()),
        } )
    : die "invalid spec: $_" } qw(

```

```

ASCII_TO_NEED|5.007001|n
AvFILLp|5.004050|p
AvFILL|||
BhkDISABLE|5.024000|
BhkENABLE|5.024000|
BhkENTRY_set|5.024000|
BhkENTRY|||
BhkFLAGS|||
CALL_BLOCK_HOOKS|||
CLASS|||n
CPERLscope|5.005000|p
CX_CURPAD_SAVE|||
CX_CURPAD_SV|||
C_ARRAY_END|5.013002|p
C_ARRAY_LENGTH|5.008001|p
CopFILEAV|5.006000|p
CopFILEGV_set|5.006000|p
CopFILEGV|5.006000|p
CopFILESV|5.006000|p
CopFILE_set|5.006000|p
CopFILE|5.006000|p
CopSTASHPV_set|5.006000|p
CopSTASHPV|5.006000|p
CopSTASH_eq|5.006000|p
CopSTASH_set|5.006000|p
CopSTASH|5.006000|p
CopyD|5.009002|5.004050|p

```

Copy|||
CvPADLIST|5.008001|
CvSTASH|||
CvWEAKOUTSIDE|||
DECLARATION_FOR_LC_NUMERIC_MANIPULATION|5.021010|n
DEFSV_set|5.010001||p
DEFSV|5.004050||p
DO_UTF8|5.006000|
END_EXTERN_C|5.005000||p
ENTER|||
ERRSV|5.004050||p
EXTEND|||
EXTERN_C|5.005000||p
F0convert|||n
FREETMPS|||
GIMME_V|5.004000|n
GIMME|||n
GROK_NUMERIC_RADIX|5.007002||p
G_ARRAY|||
G_DISCARD|||
G_EVAL|||
G_METHOD|5.006001||p
G_NOARGS|||
G_SCALAR|||
G_VOID|5.004000|
GetVars|||
GvAV|||
GvCV|||
GvHV|||
GvSV|||
Gv_AMupdate|5.011000|
HEf_SVKEY|5.003070||p
HeHASH|5.003070|
HeKEY|5.003070|
HeKLEN|5.003070|
HePV|5.004000|
HeSVKEY_force|5.003070|
HeSVKEY_set|5.004000|
HeSVKEY|5.003070|
HeUTF8|5.010001|5.008000|p
HeVAL|5.003070|
HvENAMELEN|5.015004|
HvENAMEUTF8|5.015004|
HvENAME|5.013007|
HvNAMELEN_get|5.009003||p
HvNAMELEN|5.015004|
HvNAMEUTF8|5.015004|
HvNAME_get|5.009003||p

HvNAME||
INT2PTR|5.006000||p
IN_LOCALE_COMPILETIME|5.007002||p
IN_LOCALE_RUNTIME|5.007002||p
IN_LOCALE|5.007002||p
IN_PERL_COMPILETIME|5.008001||p
IS_NUMBER_GREATER_THAN_UV_MAX|5.007002||p
IS_NUMBER_INFINITY|5.007002||p
IS_NUMBER_IN_UV|5.007002||p
IS_NUMBER_NAN|5.007003||p
IS_NUMBER_NEG|5.007002||p
IS_NUMBER_NOT_INT|5.007002||p
IVSIZE|5.006000||p
IVTYPE|5.006000||p
IVdf|5.006000||p
LEAVE||
LINKLIST||5.013006|
LVRET||
MARK||
MULTICALL||5.024000|
MUTABLE_PTR|5.010001||p
MUTABLE_SV|5.010001||p
MY_CXT_CLONE|5.009002||p
MY_CXT_INIT|5.007003||p
MY_CXT|5.007003||p
MoveD|5.009002|5.004050|p
Move||
NATIVE_TO_NEED||5.007001|n
NOOP|5.005000||p
NUM2PTR|5.006000||p
NVTYPE|5.006000||p
NVef|5.006001||p
NVff|5.006001||p
NVgf|5.006001||p
Newxc|5.009003||p
Newxz|5.009003||p
Newx|5.009003||p
Nullav||
Nullch||
Nullcv||
Nullhv||
Nullsv||
OP_CLASS||5.013007|
OP_DESC||5.007003|
OP_NAME||5.007003|
OP_TYPE_IS_OR_WAS||5.019010|
OP_TYPE_IS||5.019007|
ORIGMARK||

OpHAS_SIBLING|5.021007||p
OpLASTSIB_set|5.021011||p
OpMAYBESIB_set|5.021011||p
OpMORESIB_set|5.021011||p
OpSIBLING|5.021007||p
PAD_BASE_SV|||
PAD_CLONE_VARS|||
PAD_COMPNAME_FLAGS|||
PAD_COMPNAME_GEN_set|||
PAD_COMPNAME_GEN|||
PAD_COMPNAME_OURSTASH|||
PAD_COMPNAME_PV|||
PAD_COMPNAME_TYPE|||
PAD_RESTORE_LOCAL|||
PAD_SAVE_LOCAL|||
PAD_SAVE_SETNULLPAD|||
PAD_SETSV|||
PAD_SET_CUR_NOSAVE|||
PAD_SET_CUR|||
PAD_SV1|||
PAD_SV|||
PERLIO_FUNCS_CAST|5.009003||p
PERLIO_FUNCS_DECL|5.009003||p
PERL_ABS|5.008001||p
PERL_ARGS_ASSERT_CROAK_XS_USAGE||p
PERL_BCDVERSION|5.024000||p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001||p
PERL_HASH|5.003070||p
PERL_INT_MAX|5.003070||p
PERL_INT_MIN|5.003070||p
PERL_LONG_MAX|5.003070||p
PERL_LONG_MIN|5.003070||p
PERL_MAGIC_arylen|5.007002||p
PERL_MAGIC_backref|5.007002||p
PERL_MAGIC_bm|5.007002||p
PERL_MAGIC_collxfrm|5.007002||p
PERL_MAGIC_dbfile|5.007002||p
PERL_MAGIC_dbline|5.007002||p
PERL_MAGIC_defelem|5.007002||p
PERL_MAGIC_envelem|5.007002||p
PERL_MAGIC_env|5.007002||p
PERL_MAGIC_ext|5.007002||p
PERL_MAGIC_fm|5.007002||p
PERL_MAGIC_glob|5.024000||p
PERL_MAGIC_isaelem|5.007002||p
PERL_MAGIC_isa|5.007002||p
PERL_MAGIC_mutex|5.024000||p
PERL_MAGIC_nkeys|5.007002||p

PERL_MAGIC_overload_elem|5.024000||p
PERL_MAGIC_overload_table|5.007002||p
PERL_MAGIC_overload|5.024000||p
PERL_MAGIC_pos|5.007002||p
PERL_MAGIC_qr|5.007002||p
PERL_MAGIC_regdata|5.007002||p
PERL_MAGIC_regdatum|5.007002||p
PERL_MAGIC_regex_global|5.007002||p
PERL_MAGIC_shared_scalar|5.007003||p
PERL_MAGIC_shared|5.007003||p
PERL_MAGIC_sigelem|5.007002||p
PERL_MAGIC_sig|5.007002||p
PERL_MAGIC_substr|5.007002||p
PERL_MAGIC_sv|5.007002||p
PERL_MAGIC_taint|5.007002||p
PERL_MAGIC_tiedelem|5.007002||p
PERL_MAGIC_tiedscalar|5.007002||p
PERL_MAGIC_tied|5.007002||p
PERL_MAGIC_utf8|5.008001||p
PERL_MAGIC_uvar_elem|5.007003||p
PERL_MAGIC_uvar|5.007002||p
PERL_MAGIC_vec|5.007002||p
PERL_MAGIC_vstring|5.008001||p
PERL_PV_ESCAPE_ALL|5.009004||p
PERL_PV_ESCAPE_FIRSTCHAR|5.009004||p
PERL_PV_ESCAPE_NOBACKSLASH|5.009004||p
PERL_PV_ESCAPE_NOCLEAR|5.009004||p
PERL_PV_ESCAPE_QUOTE|5.009004||p
PERL_PV_ESCAPE_RE|5.009005||p
PERL_PV_ESCAPE_UNI_DETECT|5.009004||p
PERL_PV_ESCAPE_UNI|5.009004||p
PERL_PV_PRETTY_DUMP|5.009004||p
PERL_PV_PRETTY_ELLIPSES|5.010000||p
PERL_PV_PRETTY_LTGT|5.009004||p
PERL_PV_PRETTY_NOCLEAR|5.010000||p
PERL_PV_PRETTY_QUOTE|5.009004||p
PERL_PV_PRETTY_REGPROP|5.009004||p
PERL_QUAD_MAX|5.003070||p
PERL_QUAD_MIN|5.003070||p
PERL_REVISION|5.006000||p
PERL_SCAN_ALLOW_UNDERSCORES|5.007003||p
PERL_SCAN_DISALLOW_PREFIX|5.007003||p
PERL_SCAN_GREATER_THAN_UV_MAX|5.007003||p
PERL_SCAN_SILENT_ILLDIGIT|5.008001||p
PERL_SHORT_MAX|5.003070||p
PERL_SHORT_MIN|5.003070||p
PERL_SIGNALS_UNSAFE_FLAG|5.008001||p
PERL_SUBVERSION|5.006000||p

PERL_SYS_INIT3|5.006000|
PERL_SYS_INIT||
PERL_SYS_TERM|5.024000|
PERL_UCHAR_MAX|5.003070||p
PERL_UCHAR_MIN|5.003070||p
PERL_UINT_MAX|5.003070||p
PERL_UINT_MIN|5.003070||p
PERL_ULONG_MAX|5.003070||p
PERL_ULONG_MIN|5.003070||p
PERL_UNUSED_ARG|5.009003||p
PERL_UNUSED_CONTEXT|5.009004||p
PERL_UNUSED_DECL|5.007002||p
PERL_UNUSED_RESULT|5.021001||p
PERL_UNUSED_VAR|5.007002||p
PERL_UQUAD_MAX|5.003070||p
PERL_UQUAD_MIN|5.003070||p
PERL_USE_GCC_BRACE_GROUPS|5.009004||p
PERL_USHORT_MAX|5.003070||p
PERL_USHORT_MIN|5.003070||p
PERL_VERSION|5.006000||p
PL_DBsignal|5.005000||p
PL_DBsingle|||pn
PL_DBsub|||pn
PL_DBtrace|||pn
PL_Sv|5.005000||p
PL_bufend|5.024000||p
PL_bufptr|5.024000||p
PL_check|5.006000|
PL_compiling|5.004050||p
PL_comppad_name|5.017004|
PL_comppad|5.008001|
PL_copline|5.024000||p
PL_curcop|5.004050||p
PL_curpad|5.005000|
PL_curstash|5.004050||p
PL_debstash|5.004050||p
PL_defgv|5.004050||p
PL_diehook|5.004050||p
PL_dirty|5.004050||p
PL_dowarn|||pn
PL_errgv|5.004050||p
PL_error_count|5.024000||p
PL_expect|5.024000||p
PL_hexdigit|5.005000||p
PL_hints|5.005000||p
PL_in_my_stash|5.024000||p
PL_in_my|5.024000||p
PL_keyword_plugin|5.011002|

PL_last_in_gv|||n
PL_laststatval|5.005000||p
PL_lex_state|5.024000||p
PL_lex_stuff|5.024000||p
PL_linestr|5.024000||p
PL_modglobal||5.005000|n
PL_na|5.004050||pn
PL_no_modify|5.006000||p
PL_ofsgv|||n
PL_opfreehook||5.011000|n
PL_parser|5.009005||p
PL_peekp||5.007003|n
PL_perl_destruct_level|5.004050||p
PL_perldb|5.004050||p
PL_ppaddr|5.006000||p
PL_rpeekp||5.013005|n
PL_rsfilters|5.024000||p
PL_rsfp|5.024000||p
PL_rs|||n
PL_signals|5.008001||p
PL_stack_base|5.004050||p
PL_stack_sp|5.004050||p
PL_statcache|5.005000||p
PL_stdingv|5.004050||p
PL_sv_arenaroot|5.004050||p
PL_sv_no|5.004050||pn
PL_sv_undef|5.004050||pn
PL_sv_yes|5.004050||pn
PL_tainted|5.004050||p
PL_tainting|5.004050||p
PL_tokenbuf|5.024000||p
POP_MULTICALL||5.024000|
POPi|||n
POPi|||n
POPn|||n
POPpbytex||5.007001|n
POPpx||5.005030|n
POPp|||n
POPs|||n
POPul||5.006000|n
POPu||5.004000|n
PTR2IV|5.006000||p
PTR2NV|5.006000||p
PTR2UV|5.006000||p
PTR2nat|5.009003||p
PTR2ul|5.007001||p
PTRV|5.006000||p
PUSHMARK|||

PUSH_MULTICALL|5.024000|
PUSHi|||
PUSHmortal|5.009002||p
PUSHn|||
PUSHp|||
PUSHs|||
PUSHu|5.004000||p
PUTBACK|||
PadARRAY|5.024000|
PadMAX|5.024000|
PadlistARRAY|5.024000|
PadlistMAX|5.024000|
PadlistNAMESARRAY|5.024000|
PadlistNAMESMAX|5.024000|
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sv_utf8_upgrade_flags_grow|5.011000|
sv_utf8_upgrade_flags|5.007002|
sv_utf8_upgrade_nomg|5.007002|
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sv_vcatpvf_mg|5.006000|5.004000|p
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sys_init||5.010000|n
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to_byte_substr||
to_lower_latin1||n
to_uni_fold||5.007003|
to_uni_lower_lc||5.006000|
to_uni_lower||5.007003|
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to_uni_title||5.007003|
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to_utf8_lower||5.015007|
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to_utf8_title||5.015007|
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utf8_length|5.007001|
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utf8_to_uvchr_buf|5.015009|
utf8_to_uvchr|5.007001|
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```

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whichsig_pvn||5.015004|
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write_to_stderr|||
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xs_version_bootcheck|||
yyerror_pvn|||
yyerror_pv|||
yyerror|||
yylex|||
yyparse|||
yyunlex|||
yywarn|||
);

if
(exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", 'x'(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}

# Scan for possible replacement candidates

my(%replace, %need, %hints, %warnings, %depends);
my $replace = 0;

```

```

my($hint,
  $define, $function);

sub find_api
{
  my $code = shift;
  $code =~ s{
    /(?: \*[^\*]*\*+(?:[^\$ccs][^\*]*\*+)* /|/^\r\n*)
    | "[^"]*"(?:\\.["\\"])*"
    | '[^']*'(?:\\.['\\'])*' }{ }egsx;
  grep { exists $API{$_} } $code =~ /(\w+)/mg;
}

while (<DATA>) {
  if ($hint) {
    my $h = $hint->[0] eq 'Hint' ? \%hints : \%warnings;
    if (m{^\s*\s(.*)\s*$}) {
      for (@{$hint->[1]}) {
        $h->{$_} ||= ""; # suppress warning with older perls
        $h->{$_} .= "$1\n";
      }
    }
    else { undef $hint }
  }

  $hint = [$1, [split /,?\s+/, $2]]
    if m{^\s*$rccs\s+(Hint|Warning):\s+(\w+(?:,\s+\w+)*)\s*$};

  if ($define) {
    if ($define->[1] =~ /\$/) {
      $define->[1] .= $_;
    }
    else {
      if (exists $API{$define->[0]} && $define->[1] !~ /^DPPP_\(/) {
        my @n = find_api($define->[1]);
        push @{$depends{$define->[0]}}, @n if @n
      }
      undef $define;
    }
  }

  $define = [$1, $2] if m{^\s*#\s*define\s+(\w+)(?:\([^\)]*\))?\s+(.*)};

  if
  ($function) {
    if (/^\s/) {
      if (exists $API{$function->[0]}) {
        my @n = find_api($function->[1]);

```

```

    push @{$depends}{$function->[0]}, @n if @n
  }
  undef $function;
}
else {
  $function->[1] .= $_;
}
}

$function = [$1, " ] if m{^DPPP_(my_(\w+))};

$replace = $1 if m{^\s*$rccs\s+Replace:\s+(\d+)\s+$rcces*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\s+(\w+))};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\s+(\w+))\s+(\w+).*rccs\s+Replace\s+$rcces*};
$replace{$1} = $2 if m{^\s*$rccs\s+Replace (\w+) with (\w+)\s+$rcces*$};

if (m{^\s*$rccs\s+(\w+(\s*,\s*\w+)*)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcces*$}) {
  my @deps = map { s/\s+//g; $_ } split /,/, $3;
  my $d;
  for $d (map { s/\s+//g; $_ } split /,/, $1) {
    push @{$depends}{$d}}, @deps;
  }
}

$need{$1} = 1 if m{^#\s+defined\(\NEED_(\w+)(?:_GLOBAL)?\)};
}

for (values %depends) {
  my %s;
  $_ = [sort grep !$_{$_}++,
  @$_];
}

if (exists $opt{'api-info'}) {
  my $f;
  my $count = 0;
  my $match = $opt{'api-info'} =~ m!^(.*)/$! ? $1 : "\Q$opt{'api-info'}\E$";
  for $f (sort { lc $a cmp lc $b } keys %API) {
    next unless $f =~ /$match/;
    print "\n=== $f ===\n\n";
    my $info = 0;
    if ($API{$f}{base} || $API{$f}{todo}) {
      my $base = format_version($API{$f}{base} || $API{$f}{todo});
      print "Supported at least starting from perl-$base.\n\n";
      $info++;
    }
  }
  if ($API{$f}{provided}) {
    my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";

```



```

print "Support by $ppport provided back to perl-$todo.\n";
print "Support needs to be explicitly requested by NEED_$.f.\n" if exists $need{$f};
print "Depends on: ", join(', ', @{$depends{$f}}), ".\n" if exists $depends{$f};
print "\n$hints{$f}" if exists $hints{$f};
print "\nWARNING:\n$warnings{$f}" if exists $warnings{$f};
$info++;
}
print "No portability information available.\n"
unless $info;
$count++;
}
$count or print "Found no API matching '$opt{'api-info'}'.";
print "\n";
exit 0;
}

```

```

if (exists $opt{'list-provided'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{provided};
my @flags;
push @flags, 'explicit' if exists $need{$f};
push @flags, 'depend' if exists $depends{$f};
push @flags, 'hint' if exists $hints{$f};
push @flags, 'warning' if exists $warnings{$f};
my $flags = @flags ? ' [' . join(', ', @flags) . '] : ";
print "$f$flags\n";
}
exit 0;
}

```

```

my @files;
my $srcext = qw( .xs .c .h .cc .cpp -c.inc -xs.inc );
my $srcext = join '|', map { quotemeta $_ } @srcext;

```

```

if (@ARGV) {
my %seen;
for (@ARGV) {
if (-e) {
if (-f) {
push @files, $_ unless $seen{$_}++;
}
else { warn "'$_' is not a file.\n" }
}
else {
my @new = grep { -f } glob $_
or warn "'$_' does not exist.\n";
push @files, grep { !$seen{$_}++

```

```

} @new;
}
}
}
else {
eval {
require File::Find;
File::Find::find(sub {
    $File::Find::name =~ /($srcext)$/i
    and push @files, $File::Find::name;
}, '.');
};
if ($@) {
    @files = map { glob "*$_" } @srcext;
}
}

if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /\.(.*)\.xs$/ ? ("1.c" => 1, "1.cc" => 1) : () } @files;
for (@files) {
    my $out = exists $xsc{$_} || /\bQ$ppport\E$/i || !/($srcext)$/i;
    push @ { $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
    warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}

die "No input files given!\n" unless @files;

my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;

for $filename (@files) {
unless (open IN, "<$filename") {
    warn "Unable to read from $filename: $!\n";
    next;
}

info("Scanning $filename ...");

my $c = do { local $/; <IN> };
close

```

IN;

```
my %file = (orig => $c, changes => 0);
```

```
# Temporarily remove C/XS comments and strings from the code
```

```
my @ccom;
```

```
$c =~ s{  
  ( ^$HS*#$HS*include\b[^\r\n]+\b(?:\Q$ppport\E|XSUB\.h)\b[^\r\n]*  
  | ^$HS*#$HS*(?:define|elif|if(?:def?))\b[^\r\n]* )  
| ( ^$HS*\#[^\r\n]*  
  | "[^"\\]*(?:\\.[^"\\])*"  
  | '[^']**(?:\\.[^']*)*'  
  | /(?:\*[^\*]*\*(?:\[^\s\]\s*\s*\s*)*/|[^\r\n]* ) )  
}{ defined $2 and push @ccom, $2;  
  defined $1 ? $1 : "$ccs#$ccom$cce" }mgsex;
```

```
$file{ccom} = \@ccom;
```

```
$file{code} = $c;
```

```
$file{has_inc_ppport} = $c =~ /^$HS*#$HS*include[^\r\n]+\b\Q$ppport\E\b/m;
```

```
my $func;
```

```
for $func (keys %API) {
```

```
  my $match = $func;
```

```
  $match .= "$$revreplace{$func}" if exists $revreplace{$func};
```

```
  if ($c =~ /\b(?:Perl_)?($match)\b/) {
```

```
    $file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
```

```
    $file{uses_Perl}{$func}++ if $c =~ /\bPerl_{$func}\b/;
```

```
    if (exists $API{$func}{provided}) {
```

```
      $file{uses_provided}{$func}++;
```

```
      if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
```

```
        $file{uses}{$func}++;
```

```
        my @deps = rec_depend($func);
```

```
        if (@deps) {
```

```
          $file{uses_deps}{$func} = \@deps;
```

```
          for (@deps) {
```

```
            $file{uses}{$_} = 0 unless exists $file{uses}{$_};
```

```
          }
```

```
        }
```

```
        for ($func, @deps) {
```

```
          $file{needs}{$_} = 'static' if exists $need{$_};
```

```
        }
```

```
      }
```

```
    if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
```

```
      if ($c =~ /\b{$func}\b/) {
```

```
        $file{uses_todo}{$func}++;
```

```

    }
  }
}

while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
  if (exists $need{$2}) {
    $file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
  }
  else { warning("Possibly wrong #define $1 in $filename") }
}

for (qw(uses needs uses_todo needed_global needed_static)) {
  for $func (keys % {$file{$_}}) {
    push @{$global{$_}{$func}}, $filename;
  }
}

$files{$filename} = \%file;
}

# Globally resolve NEED_'s
my $need;
for $need (keys % {$global{needs}}) {
  if (@{$global{needs}{$need}} > 1) {
    my @targets = @{$global{needs}{$need}};
    my @t = grep $files{$_}{needed_global}{$need}, @targets;
    @targets = @t if @t;
    @t = grep /\.xs$/i, @targets;
    @targets = @t if @t;
    my $target = shift @targets;
    $files{$target}{needs}{$need} = 'global';
    for (@{$global{needs}{$need}}) {
      $files{$_}{needs}{$need} = 'extern' if $_ ne $target;
    }
  }
}

for $filename (@files) {
  exists $files{$filename} or next;

  info("=== Analyzing $filename ===");

  my %file = % {$files{$filename}};
  my $func;
  my $c = $file{code};
  my $warnings = 0;

```

```

for $func (sort keys %{$file{uses_Perl}}) {
    if ($API{$func}{varargs}) {
        unless ($API{$func}{nothxarg}) {
            my $changes = ($c =~ s{\b(Perl_$func\s*\s*(?!aTHX_?)(\)|[^\s]*)})
                {
$1 . ($2 eq ')' ? 'aTHX' : 'aTHX_') . $2 }ge);
            if ($changes) {
                warning("Doesn't pass interpreter argument aTHX to Perl_$func");
                $file{changes} += $changes;
            }
        }
    }
    else {
        warning("Uses Perl_$func instead of $func");
        $file{changes} += ($c =~ s{\bPerl_$func(\s*)((\s*aTHX_?)?\s*}
            {$func$1()}g);
    }
}

for $func (sort keys %{$file{uses_replace}}) {
    warning("Uses $func instead of $replace{$func}");
    $file{changes} += ($c =~ s/\b$func\b/$replace{$func}/g);
}

for $func (sort keys %{$file{uses_provided}}) {
    if ($file{uses}{$func}) {
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        }
        else {
            diag("Uses $func");
        }
    }
}
$warnings += hint($func);
}

unless ($opt{quiet}) {
    for $func (sort keys %{$file{uses_todo}}) {
        print "**** WARNING: Uses $func, which may not
be portable below perl ",
            format_version($API{$func}{todo}), ", even with 'Sppport\n";
        $warnings++;
    }
}

for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}{$func}) {

```

```

$message = "No need to define NEED_$func if $func is never used";
}
elseif (exists $file{needs}{$func} && $file{needs}{$func} ne 'static') {
    $message = "No need to define NEED_$func when already needed globally";
}
if ($message) {
    diag($message);
    $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_$func\b.*$LF//mg);
}
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $global{uses}{$func}) {
        $message = "No need to define NEED_${func}_GLOBAL if $func is never used";
    }
    elseif (exists $file{needs}{$func}) {
        if ($file{needs}{$func} eq 'extern') {
            $message = "No need to define NEED_${func}_GLOBAL when already needed globally";
        }

        elseif ($file{needs}{$func} eq 'static') {
            $message = "No need to define NEED_${func}_GLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^\$HS*#\$HS*define\$HS+NEED_${func}_GLOBAL\b.*$LF//mg);
    }
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = "";

    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}{$func};
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "";
        unless (exists $file{"needed_$type"}{$func}) {
            if ($type eq 'global') {
                diag("Files [@$global{needs}{$func}] need $func, adding global request");
            }
            else {
                diag("File needs $func, adding static request");
            }
        }
        $pp .= "#define NEED_$func$suffix\n";
    }
}

```

```

}
}

if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
    $pp = ";
    $file{changes}++;
}

unless ($file{has_inc_ppport}) {
    diag("Needs to include '$ppport'");
    $pp .= qq(#include "$ppport"\n)
}

if ($pp) {
    $file{changes} += ($c =~ s/^(($HS*#$HS*define$HS+NEED_\w+.*?)^/$1$pp/ms)
        || ($c =~ s/^(?=$HS*#$HS*include.*\Q$ppport\E)/$pp/m)
        || ($c =~ s/^(($HS*#$HS*include.*XSUB.*\s*)^/$1$pp/m)
        || ($c =~ s/^\$pp/);
}
}

else {
    if ($file{has_inc_ppport}) {
        diag("No need to include '$ppport'");
        $file{changes} += ($c =~ s/^\$HS*?#$HS*include.*\Q$ppport\E.*?$LF//m);
    }
}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^/!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    }
    else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : '';
    warning("Uses $cppc C++ style comment$s,
which is not portable");
}

```

```

my $s = $warnings != 1 ? 's' : '';
my $warn = $warnings ? " ($warnings warning$s)" : "";
info("Analysis completed$warn");

if ($file{changes}) {
  if (exists $opt{copy}) {
    my $newfile = "$filename$opt{copy}";
    if (-e $newfile) {
      error("$newfile' already exists, refusing to write copy of '$filename'");
    }
    else {
      local *F;
      if (open F, ">$newfile") {
        info("Writing copy of '$filename' with changes to '$newfile'");
        print F $c;
        close F;
      }
      else {
        error("Cannot open '$newfile' for writing: $!");
      }
    }
  }
  elseif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
      unless ($patch_opened) {
        if (open PATCH, ">$opt{patch}") {
          $patch_opened = 1;
        }
        else {
          error("Cannot open '$opt{patch}' for writing: $!");
          delete $opt{patch};
          $opt{changes}
= 1;
          goto fallback;
        }
      }
      mydiff(\*PATCH, $filename, $c);
    }
    else {
fallback:
      info("Suggested changes:");
      mydiff(\*STDOUT, $filename, $c);
    }
  }
  else {
    my $s = $file{changes} == 1 ? " : 's'";
    info("$file{changes} potentially required change$s detected");
  }
}

```



```

}
else {
    info("Looks good");
}
}

close PATCH if $patch_opened;

exit 0;

sub try_use { eval "use @_."; return "$@" eq " }

sub mydiff
{
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and try_use("Text::Diff")) {
        $diff = Text::Diff::diff($file, \ $str, { STYLE => 'Unified' });
        $diff = <<HEADER . $diff;
        --- $file
        +++ $file.patched
        HEADER
    }

    if (!defined $diff) {
        $diff = run_diff('diff -u', $file, $str);
    }

    if (!defined $diff) {
        $diff = run_diff('diff', $file, $str);
    }

    if (!defined $diff) {
        error("Cannot
        generate a diff. Please install Text::Diff or use --copy.");
        return;
    }

    print F $diff;
}

```

```

sub run_diff
{
my($prog, $file, $str) = @_;
my $tmp = 'dppptemp';
my $suf = 'aaa';
my $diff = "";
local *F;

while (-e "$tmp.$suf") { $suf++ }
$tmp = "$tmp.$suf";

if (open F, ">$tmp") {
print F $str;
close F;

if (open F, "$prog $file $tmp |") {
while (<F>) {
s/^Q$tmp\E/$file.patched/;
$diff .= $_;
}
close F;
unlink $tmp;
return $diff;
}

unlink $tmp;
}
else {
error("Cannot open '$tmp' for writing: $!");
}

return undef;
}

sub rec_depend
{
my($func, $seen) = @_;
return () unless exists $depends{$func};
$seen = {%{$seen|{}}};
return () if $seen->{$func}++;
my %s;
grep !${$_}++, map { ($_, rec_depend($_, $seen)) } @{$depends{$func}};
}

sub parse_version
{
my $ver = shift;

```

```

if ($ver =~ /^(d+)\.(d+)\.(d+)$/) {
    return ($1, $2, $3);
}
elsif ($ver !~ /^d+\.[d_]+$/)
{
    die "cannot parse version '$ver'\n";
}

$ver =~ s/_//g;
$ver =~ s/$/000000/;

my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "cannot parse version '$ver'\n";
    }
}

return ($r, $v, $s);
}

sub format_version
{
    my $ver = shift;

    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /(\d+)\.(\d{3})(\d{3})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "invalid version '$ver'\n";
        }
        $s /= 10;

        $ver = sprintf "%d.%03d", $r, $v;
        $s > 0 and $ver .= sprintf "_%02d", $s;

        return $ver;
    }

    return sprintf "%d.%d.%d", $r, $v, $s;
}

```

```

}

sub info
{
  $opt{quiet} and return;
  print @_, "\n";
}

sub diag
{
  $opt{quiet} and return;
  $opt{diag} and print @_, "\n";
}

sub warning
{
  $opt{quiet} and return;
  print "*** ", @_, "\n";
}

sub error
{
  print "*** ERROR: ", @_, "\n";
}

my %given_hints;
my %given_warnings;
sub
hint
{
  $opt{quiet} and return;
  my $func = shift;
  my $rv = 0;
  if (exists $warnings{$func} && !$given_warnings{$func}++) {
    my $warn = $warnings{$func};
    $warn =~ s/^\!*** !mg;
    print "*** WARNING: $func\n", $warn;
    $rv++;
  }
  if ($opt{hints} && exists $hints{$func} && !$given_hints{$func}++) {
    my $hint = $hints{$func};
    $hint =~ s/^\! /mg;
    print " --- hint for $func ---\n", $hint;
  }
  $rv;
}

sub usage

```

```

{
my($usage) = do { local(@ARGV,$/)=($0); <> } =~ /^=head\d$HS+SYNOPSIS\s*^(.*?)\s*^=/ms;
my %M = ( 'T' => '*' );
$usage =~ s/^\s*perl\s+\S+/$^X $0/;
$usage =~ s/([A-Z])<([^>]+)>/M{$1}$2M{$1}/g;

```

```
print <<ENDUSAGE;
```

Usage: \$usage

See perldoc \$0 for details.

ENDUSAGE

```
exit 2;
```

```
}
```

```
sub strip
```

```
{
```

```
my $self = do { local(@ARGV,$/)=($0); <> };
```

```
my($copy) = $self =~ /^=head\d\s+COPYRIGHT\s*^(.*?)^=\w+/ms;
```

```
$copy =~ s/^(?=\S+)/ /gms;
```

```
$self =~ s/^\$HS+Do NOT edit.*?(?=-)/$copy/ms;
```

```
$self =~ s/^\$SKIP.*?(?=__DATA__)/SKIP
```

```
if (\@ARGV
```

```
&& \${ARGV[0] eq '--unstrip') {
```

```
eval { require Devel::PPPport };
```

```
\$@ and die "Cannot require Devel::PPPport, please install.\n";
```

```
if (eval \${Devel::PPPport::VERSION < $VERSION}) {
```

```
die "$0 was originally generated with Devel::PPPport $VERSION.\n"
```

```
. "Your Devel::PPPport is only version \${Devel::PPPport::VERSION}.\n"
```

```
. "Please install a newer version, or --unstrip will not work.\n";
```

```
}
```

```
Devel::PPPport::WriteFile(\$0);
```

```
exit 0;
```

```
}
```

```
print <<END;
```

Sorry, but this is a stripped version of \$0.

To be able to use its original script and doc functionality,
please try to regenerate this file using:

```
\$^X $0 --unstrip
```

END

```
/ms;
```

```
my($pl, $c) = $self =~ /(.*^__DATA__)(.*)/ms;
```

```

$c =~ s{
  /(?: \*[^\*]*\*(?:[^\$ccs][^\*]*\*)* /|/^\r\n*)
| ("^\\"*(?:\\.["\\"]*)*"
| '^\\"*(?:\\.["\\"]*)*' )
| ($HS+) }{ defined $2 ? '': ($1 || ") }gsex;
$c =~ s!\s+#!mg;
$c =~ s!^\$LF!mg;
$c =~ s!\s*#\s*#!mg;
$c =~ s!\s+#!mg;

```

```

open OUT, ">$0" or die "cannot strip
$0: $!\n";
print OUT "$pl$c\n";

```

```

exit 0;
}

```

```

__DATA__
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548151_1591903261.01/0/perl-Storable-3.11-3.el8.src.rpm-cosi-expand-
archive-8tnlkdhI/Storable-3.11_repackaged.tar.gz-cosi-expand-archive-HBNXGx7V/Storable-3.11/ppport.h
No license file was found, but licenses were detected in source scan.

```

(C) Copyright 1997, Universitat Dortmund, all rights reserved.

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548151_1591903261.01/0/perl-Storable-3.11-3.el8.src.rpm-cosi-expand-
archive-8tnlkdhI/Storable-3.11_repackaged.tar.gz-cosi-expand-archive-HBNXGx7V/Storable-3.11/t/forgive.t
No license file was found, but licenses were detected in source scan.

```

License: GPL+ or Artistic

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548151_1591903261.01/0/perl-Storable-3.11-3.el8.src.rpm-cosi-expand-
archive-8tnlkdhI/perl-Storable.spec
No license file was found, but licenses were detected in source scan.

```

abstract: 'persistence for Perl data structures'

author:

- 'Perl 5 Porters'

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: '1.4'
name: Storable
no_index:
directory:
- t
- inc
provides:
Storable:
file: __Storable__.pm
version: '3.11'
requires:
XSLoader: '0'
resources:
bugtracker: <http://rt.perl.org/perlbug/>
version: '3.11'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548151_1591903261.01/0/perl-Storable-3.11-3.el8.src.rpm-cosi-expand-archive-8tnIkdhl/Storable-3.11_repackaged.tar.gz-cosi-expand-archive-HBNXGx7V/Storable-3.11/META.yml

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1.56 perl-digest 1.17-395.el8

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=head1 NAME

Digest - Modules that calculate message digests

=head1 SYNOPSIS

```
$md5 = Digest->new("MD5");
```

```
$sha1 = Digest->new("SHA-1");
$sha256 = Digest->new("SHA-256");
$sha384 = Digest->new("SHA-384");
$sha512 = Digest->new("SHA-512");

$ hmac = Digest->HMAC_MD5($key);
```

=head1 DESCRIPTION

The C<Digest::> modules calculate digests, also called "fingerprints" or "hashes", of some data, called a message. The digest is (usually) some small/fixed size string. The actual size of the digest depend of the algorithm used. The message is simply a sequence of arbitrary bytes or bits.

An important property of the digest algorithms is that the digest is I<likely> to change if the message change in some way. Another property is that digest functions are one-way functions, that is it should be I<hard> to find a message that correspond to some given digest. Algorithms differ in how "likely" and how "hard", as well as how efficient they are to compute.

Note that the properties of the algorithms change over time, as the algorithms are analyzed and machines grow faster. If your application for instance depends on it being "impossible" to generate the same digest for a different message it is wise to make it easy to plug in stronger algorithms as the one used grow weaker. Using the interface documented here should make it easy to change algorithms later.

All C<Digest::> modules provide the same programming interface. A functional interface for simple use, as well as an object oriented interface that can handle messages of arbitrary length and which can read files directly.

The digest can be delivered in three formats:

=over 8

=item I<binary>

This is the most compact form, but it is not well suited for printing or embedding in places that can't handle arbitrary data.

=item I<hex>

A twice as long string of lowercase hexadecimal digits.

=item I<base64>

A string of portable printable characters.

This is the base64 encoded representation of the digest with any trailing padding removed. The string will be about 30% longer than the binary version. L<MIME::Base64> tells you more about this encoding.

=back

The functional interface is simply importable functions with the same name as the algorithm. The functions take the message as argument and return the digest. Example:

```
use Digest::MD5 qw(md5);
$digest = md5($message);
```

There are also versions of the functions with "_hex" or "_base64" appended to the name, which returns the digest in the indicated form.

=head1 OO INTERFACE

The following methods are available for all C<Digest::> modules:

=over 4

=item \$ctx = Digest->XXX(\$arg,...)

=item \$ctx = Digest->new(XXX => \$arg,...)

=item \$ctx = Digest::XXX->new(\$arg,...)

The constructor returns some object that encapsulate the state of the message-digest algorithm. You can add data to the object and finally ask for the digest. The "XXX" should of course be replaced by the proper name of the digest algorithm you want to use.

The two first forms are simply syntactic sugar which automatically load the right module on first use. The second form allow you to use algorithm names which contains letters which are not legal perl identifiers, e.g. "SHA-1". If no implementation for the given algorithm can be found, then an exception is raised.

If new() is called as an instance method (i.e. \$ctx->new) it will just reset the state the object to the state of a newly created object. No new object is created in this case, and the return value is the

reference to the object (i.e. \$ctx).

```
=item $other_ctx = $ctx->clone
```

The clone method creates a copy of the digest state object and returns a reference to the copy.

```
=item $ctx->reset
```

This is just an alias for \$ctx->new.

```
=item $ctx->add( $data )
```

```
=item $ctx->add( $chunk1, $chunk2, ... )
```

The string value of the \$data provided as argument is appended to the message we calculate the digest for. The return value is the \$ctx object itself.

If more arguments are provided then they are all appended to the message, thus all these lines will have the same effect on the state of the \$ctx object:

```
$ctx->add("a"); $ctx->add("b"); $ctx->add("c");  
$ctx->add("a")->add("b")->add("c");  
$ctx->add("a", "b", "c");  
$ctx->add("abc");
```

Most algorithms are only defined for strings of bytes and this method might therefore croak if the provided arguments contain chars with ordinal number above 255.

```
=item $ctx->addfile( $io_handle )
```

The \$io_handle is read until EOF and the content is appended to the message we calculate the digest for. The return value is the \$ctx object itself.

The addfile() method will croak() if it fails reading data for some reason. If it croaks it is unpredictable what the state of the \$ctx object will be in. The addfile() method might have been able to read the file partially before it failed. It is probably wise to discard or reset the \$ctx object if this occurs.

In most cases you want to make sure that the \$io_handle is in "binmode" before you pass it as argument to the addfile() method.

```
=item $ctx->add_bits( $data, $nbits )
```

```
=item $ctx->add_bits( $bitstring )
```

The `add_bits()` method is an alternative to `add()` that allow partial bytes to be appended to the message. Most users should just ignore this method as partial bytes is very unlikely to be of any practical use.

The two argument form of `add_bits()` will add the first `$nbits` bits from `$data`. For the last potentially partial byte only the high order `C<< $nbits % 8 >>` bits are used. If `$nbits` is greater than `C<< length($data) * 8 >>`, then this method would do the same as `C<< $ctx->add($data) >>`.

The one argument form of `add_bits()` takes a `$bitstring` of "1" and "0" chars as argument. It's a shorthand for `C<< $ctx->add_bits(pack("B*", $bitstring), length($bitstring)) >>`.

The return value is the `$ctx` object itself.

This example shows two calls that should have the same effect:

```
$ctx->add_bits("111100001010");  
$ctx->add_bits("\xF0\xA0", 12);
```

Most digest algorithms are byte based and for these it is not possible to add bits that are not a multiple of 8, and the `add_bits()` method will croak if you try.

```
=item $ctx->digest
```

Return the binary digest for the message.

Note that the `C<digest>` operation is effectively a destructive, read-once operation. Once it has been performed, the `$ctx` object is automatically `C<reset>` and can be used to calculate another digest value. Call `$ctx->clone->digest` if you want to calculate the digest without resetting the digest state.

```
=item $ctx->hexdigest
```

Same as `$ctx->digest`, but will return the digest in hexadecimal form.

```
=item $ctx->b64digest
```

Same as `$ctx->digest`, but will return the digest as a base64 encoded

string.

=back

=head1 Digest speed

This table should give some indication on the relative speed of different algorithms. It is sorted by throughput based on a benchmark done with of some implementations of this API:

Algorithm			
Size	Implementation		MB/s
MD4	128	Digest::MD4 v1.3	165.0
MD5	128	Digest::MD5 v2.33	98.8
SHA-256	256	Digest::SHA2 v1.1.0	66.7
SHA-1	160	Digest::SHA v4.3.1	58.9
SHA-1	160	Digest::SHA1 v2.10	48.8
SHA-256	256	Digest::SHA v4.3.1	41.3
Haval-256	256	Digest::Haval256 v1.0.4	39.8
SHA-384	384	Digest::SHA2 v1.1.0	19.6
SHA-512	512	Digest::SHA2 v1.1.0	19.3
SHA-384	384	Digest::SHA v4.3.1	19.2
SHA-512	512	Digest::SHA v4.3.1	19.2
Whirlpool	512	Digest::Whirlpool v1.0.2	13.0
MD2	128	Digest::MD2 v2.03	9.5
Adler-32	32	Digest::Adler32 v0.03	1.3
CRC-16	16	Digest::CRC v0.05	1.1
CRC-32	32	Digest::CRC v0.05	1.1
MD5	128	Digest::Perl::MD5 v1.5	1.0
CRC-CCITT	16	Digest::CRC v0.05	0.8

These numbers was achieved Apr 2004 with ActivePerl-5.8.3 running under Linux on a P4 2.8 GHz CPU. The last 5 entries differ by being pure perl implementations of the algorithms, which explains why they are so slow.

=head1 SEE ALSO

L<Digest::Adler32>, L<Digest::CRC>, L<Digest::Haval256>, L<Digest::HMAC>, L<Digest::MD2>, L<Digest::MD4>, L<Digest::MD5>, L<Digest::SHA>, L<Digest::SHA1>, L<Digest::SHA2>, L<Digest::Whirlpool>

New digest implementations should consider subclassing from L<Digest::base>.

L<MIME::Base64>

http://en.wikipedia.org/wiki/Cryptographic_hash_function

=head1 AUTHOR

Gisle Aas <gisle@aas.no>

The C<Digest::> interface is based on the interface originally developed by Neil Winton for his C<MD5> module.

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=cut

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This is just a simple frontend module for autoloading of various Digest:: modules. It also provide documentation of the interface that all Digest:: modules should provide.

You will need perl version 5.004 or better to install this module.

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1.57 perl-pod-usage 1.69-395.el8

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```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all
copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

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The End

1.59 perl-pod-simple 3.35-395.el8

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```
sub dump { [' . _esc( @{ $_[0] } ) . ' ] }

# JUNK:

sub _esc {
    return " unless @_ ;
    my @out;
    foreach my $in (@_) {
        push @out, "" . $in . "" ;
        $out[-1] =~ s/([^\.:;,\|><|\|=|?|+|\\|[]\{\}\_a-zA-Z0-9_\`~|!#\%^\&|*(\)))/
        sprintf( (ord($1) < 256) ? "\\x%02X" : "\\x{%X}", ord($1))
        /eg;
    }
    return join ' , ' , @out;
}

__END__

=head1 NAME

Pod::Simple::PullParserToken -- tokens from Pod::Simple::PullParser
```

=head1 SYNOPSIS

Given a \$parser that's an object of class Pod::Simple::PullParser
(or a subclass)...

```
while(my $token = $parser->get_token) {  
    $DEBUG and print STDERR "Token: ", $token->dump, "\n";  
    if($token->is_start) {  
        ...access $token->tagname, $token->attr, etc...  
    } elsif($token->is_text) {  
        ...access $token->text, $token->text_r, etc...  
    } elsif($token->is_end) {  
        ...access $token->tagname...  
    }  
}
```

(Also see L<Pod::Simple::PullParser>)

=head1

DESCRIPTION

When you do \$parser->get_token on a L<Pod::Simple::PullParser>, you should
get an object of a subclass of Pod::Simple::PullParserToken.

Subclasses will add methods, and will also inherit these methods:

=over

=item \$token->type

This returns the type of the token. This will be either the string
"start", the string "text", or the string "end".

Once you know what the type of an object is, you then know what
subclass it belongs to, and therefore what methods it supports.

Yes, you could probably do the same thing with code like
\$token->isa('Pod::Simple::PullParserEndToken'), but that's not so
pretty as using just \$token->type, or even the following shortcuts:

=item \$token->is_start

This is a shortcut for C<< \$token->type() eq "start" >>

=item \$token->is_text

This is a shortcut for `C<< $token->type() eq "text" >>`

`=item $token->is_end`

This is a shortcut for `C<< $token->type() eq "end" >>`

`=item $token->dump`

This returns a handy stringified value of this object.

This

is useful for debugging, as in:

```
while(my $token = $parser->get_token) {  
    $DEBUG and print STDERR "Token: ", $token->dump, "\n";  
    ...  
}
```

`=back`

`=head1 SEE ALSO`

My subclasses:

`L<Pod::Simple::PullParserStartToken>`,

`L<Pod::Simple::PullParserTextToken>`, and

`L<Pod::Simple::PullParserEndToken>`.

`L<Pod::Simple::PullParser>` and `L<Pod::Simple>`

`=head1 SUPPORT`

Questions or discussion about POD and `Pod::Simple` should be sent to the `pod-people@perl.org` mail list. Send an empty email to `pod-people-subscribe@perl.org` to subscribe.

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=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

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=head1 NAME

Pod::Simple::PullParserTextToken -- text-tokens from Pod::Simple::PullParser

=head1 SYNOPSIS

(See L<Pod::Simple::PullParser>)

=head1 DESCRIPTION

When you do `$parser->get_token` on a `L<Pod::Simple::PullParser>`, you might get an object of this class.

This is a subclass of `L<Pod::Simple::PullParserToken>` and inherits all its methods, and adds these methods:

```
=over
```

```
=item $token->text
```

This returns the text that this token holds. For example, parsing `CZ<><foo>` will return a C start-token, a text-token, and a C end-token. And if you want to get the "foo" out of the text-token, call `C<< $token->text >>`

```
=item $token->text(I<somestring>)
```

This changes the string that this token holds. You probably won't need to do this.

```
=item $token->text_r()
```

This returns a scalar reference to the string that this token holds. This can be useful if you don't want to memory-copy the potentially large text value (well, as large as a paragraph or a verbatim block) as calling `$token->text` would do.

Or, if you want to alter the value, you can even do things like this:

```
for ( ${ $token->text_r } ) { # Aliases it with $_ !!
```

```
  s/The / the /g; # just for example
```

```
  if( 'A' eq chr(65) ) { # (if in an ASCII world)
```

```
    tr/\xA0/ /;
```

```
    tr/\xAD//d;
```

```
  }
```

...or however you want to alter the value...

(Note that starting with Perl v5.8, you can use, e.g.,

```
  my $nbsp = chr utf8::unicode_to_native(0xA0);
```

```
  s/$nbsp/ /g;
```

to handle the above regardless if it's an ASCII world or not)

```
}
```

```
=back
```

You're unlikely to ever need to construct an object of this class for yourself, but if you want to, call

```
C<<
Pod::Simple::PullParserTextToken->new( I<text> )
>>
```

=head1 SEE ALSO

L<Pod::Simple::PullParserToken>, L<Pod::Simple>, L<Pod::Simple::Subclassing>

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=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found

in path(s):

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=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Spell>

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=head1

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=head1 AUTHOR

Pod::Simple::XHTML was created by Allison Randal <allison@perl.org>.

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>.

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Pod::Simple is maintained by:

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=item * Allison Randal C<allison@perl.org>

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=back

=cut

Found in path(s):

```
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archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
3.35/lib/Pod/Simple/XHTML.pm
```

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=head1 NAME

Pod::Simple::Search - find POD documents in directory trees

=head1 SYNOPSIS

```
use Pod::Simple::Search;
my $name2path = Pod::Simple::Search->new->limit_glob('LWP::*')->survey;
print "Looky see what I found: ",
  join(' ', sort keys %$name2path), "\n";

print "LWPUA docs = ",
  Pod::Simple::Search->new->find('LWP::UserAgent') || "?",
  "\n";
```

=head1 DESCRIPTION

B<Pod::Simple::Search> is a class that you use for running searches

for Pod files. An object of this class has several attributes (mostly options for controlling search options), and some methods for searching based on those attributes.

The way to use this class is to make a new object of this class, set any options, and then call one of the search options (probably `C<survey>` or `C<find>`). The sections below discuss the syntaxes for doing all that.

=head1 CONSTRUCTOR

This class provides the one constructor, called `C<new>`.

It takes

no parameters:

```
use Pod::Simple::Search;
my $search = Pod::Simple::Search->new;
```

=head1 ACCESSORS

This class defines several methods for setting (and, occasionally, reading) the contents of an object. With two exceptions (discussed at the end of this section), these attributes are just for controlling the way searches are carried out.

Note that each of these return `C<$self>` when you call them as `C<< $self->I<whatever(value)>>>`. That's so that you can chain together set-attribute calls like this:

```
my $name2path =
  Pod::Simple::Search->new
  -> inc(0) -> verbose(1) -> callback(\&blab)
  -> survey(@there);
```

...which works exactly as if you'd done this:

```
my $search = Pod::Simple::Search->new;
$search->inc(0);
$search->verbose(1);
$search->callback(\&blab);
my $name2path = $search->survey(@there);
```

=over

```
=item $search->inc( I<true-or-false> );
```

This attribute, if set to a true value, means that searches should

implicitly add perl's I<@INC> paths. This automatically considers paths specified in the C<PERL5LIB> environment as this is prepended to I<@INC> by the Perl interpreter itself. This attribute's default value is B<TRUE>. If you want to search only specific directories, set \$self->inc(0) before calling \$inc->survey or \$inc->find.

```
=item $search->verbose( I<nonnegative-number> );
```

This attribute, if set to a nonzero positive value, will make searches output (via C<warn>) notes about what they're doing as they do it. This option may be useful for debugging a pod-related module. This attribute's default value is zero, meaning that no C<warn> messages are produced. (Setting verbose to 1 turns on some messages, and setting it to 2 turns on even more messages, i.e., makes the following search(es) even more verbose than 1 would make them.)

```
=item $search->limit_glob( I<some-glob-string> );
```

This option means that you want to limit the results just to items whose podnames match the given glob/wildcard expression. For example, you might limit your search to just "LWP::*", to search only for modules starting with "LWP::*" (but not including the module "LWP" itself); or you might limit your search to "LW*" to see only modules whose (full) names begin with "LW"; or you might search for "*Find*" to search for all modules with "Find" somewhere in their full name. (You can also use "?" in a glob expression; so "DB?" will match "DBI" and "DBD".)

```
=item $search->callback( I<\&some_routine> );
```

This attribute means that every time this search sees a matching Pod file, it should call this callback routine. The routine is called with two parameters: the current file's filespec, and its pod name. (For example: C<("/etc/perljunk/File/Crunk.pm", "File::Crunk")> would be in C<@_>.)

The callback routine's return value is not used for anything.

This attribute's default value is false, meaning that no callback is called.

```
=item $search->laborious( I<true-or-false> );
```

Unless you set this attribute to a true value, Pod::Search will

apply

Perl-specific heuristics to find the correct module PODs quickly. This attribute's default value is false. You won't normally need to set this to true.

Specifically: Turning on this option will disable the heuristics for seeing only files with Perl-like extensions, omitting subdirectories that are numeric but do I<not> match the current Perl interpreter's version ID, suppressing F<site_perl> as a module hierarchy name, etc.

```
=item $search->recurse( I<true-or-false> );
```

Unless you set this attribute to a false value, Pod::Search will recurse into subdirectories of the search directories.

```
=item $search->shadows( I<true-or-false> );
```

Unless you set this attribute to a true value, Pod::Simple::Search will consider only the first file of a given modulename as it looks thru the specified directories; that is, with this option off, if Pod::Simple::Search has seen a C<somepathdir/Foo/Bar.pm> already in this search, then it won't bother looking at a C<somelaterpathdir/Foo/Bar.pm> later on in that search, because that file is merely a "shadow". But if you turn on C<< \$self->shadows(1) >>, then these "shadow" files are inspected too, and are noted in the pathname2podname return hash.

This attribute's default value is false; and normally you won't need to turn it on.

```
=item $search->limit_re( I<some-regexp> );
```

Setting this attribute (to a value that's a regexp) means that you want to limit the results just to items whose podnames match the given regexp. Normally this option is not needed, and the more efficient C<limit_glob> attribute is used instead.

```
=item $search->dir_prefix( I<some-string-value> );
```

Setting this attribute to a string value means that the searches should begin in the specified subdirectory name (like "Pod" or "File::Find", also expressible as "File/Find"). For example, the search option C<< \$search->limit_glob("File::Find::R*") >> is the same as the combination of the search options C<< \$search->limit_re("^File::Find::R") -> dir_prefix("File::Find") >>.

Normally

you don't need to know about the C<dir_prefix> option, but I include it in case it might prove useful for someone somewhere.

(Implementationally, searching with limit_glob ends up setting limit_re and usually dir_prefix.)

```
=item $search->progress( I<some-progress-object> );
```

If you set a value for this attribute, the value is expected to be an object (probably of a class that you define) that has a C<reach> method and a C<done> method. This is meant for reporting progress during the search, if you don't want to use a simple callback.

Normally you don't need to know about the C<progress> option, but I include it in case it might prove useful for someone somewhere.

While a search is in progress, the progress object's C<reach> and C<done> methods are called like this:

```
# Every time a file is being scanned for pod:  
$progress->reach($count, "Scanning $file"); ++$count;
```

```
# And then at the end of the search:  
$progress->done("Noted $count Pod files total");
```

Internally,

we often set this to an object of class Pod::Simple::Progress. That class is probably undocumented, but you may wish to look at its source.

```
=item $name2path = $self->name2path;
```

This attribute is not a search parameter, but is used to report the result of C<survey> method, as discussed in the next section.

```
=item $path2name = $self->path2name;
```

This attribute is not a search parameter, but is used to report the result of C<survey> method, as discussed in the next section.

```
=back
```

```
=head1 MAIN SEARCH METHODS
```

Once you've actually set any options you want (if any), you can go ahead and use the following methods to search for Pod files in particular ways.

```
=head2 C<< $search->survey( @directories ) >>
```

The method C<survey> searches for POD documents in a given set of files and/or directories. This runs the search according to the various options set by the accessors above. (For example, if the C<inc> attribute is on, as it is by default, then the perl @INC directories are implicitly added to the list of directories (if any) that you specify.)

The return value of C<survey> is two hashes:

```
=over
```

```
=item C<name2path>
```

A hash that maps from each pod-name to the filespec (like "Stuff::Thing" => "/whatever/plib/Stuff/Thing.pm")

```
=item C<path2name>
```

A hash that maps from each Pod filespec to its pod-name (like "/whatever/plib/Stuff/Thing.pm" => "Stuff::Thing")

```
=back
```

Besides saving these hashes as the hashref attributes C<name2path> and C<path2name>, calling this function also returns these hashrefs. In list context, the return value of C<< \$search->survey >> is the list C<(\%name2path, \%path2name)>. In scalar context, the return value is C<\%name2path>. Or you can just call this in void context.

Regardless of calling context, calling C<survey> saves its results in its C<name2path> and C<path2name> attributes.

E.g., when searching in F<\$HOME/perl5lib>, the file F<\$HOME/perl5lib/MyModule.pm> would get the POD name I<MyModule>, whereas F<\$HOME/perl5lib/Myclass/Subclass.pm> would be I<Myclass::Subclass>. The name information can be used for POD translators.

Only text files containing at least one valid POD command are found.

In verbose mode, a warning is printed if shadows are found (i.e., more than one POD file with the same POD name is found, e.g. F<CPAN.pm> in different directories). This usually indicates duplicate occurrences of modules in the I<@INC> search path, which is occasionally inadvertent (but is often simply a case of a user's path dir having a more recent version than the system's general path dirs in general.)

The options to this argument is a list of either directories that are searched recursively, or files. (Usually you wouldn't specify files, but just dirs.) Or you can just specify an empty-list, as in \$name2path; with the C<inc> option on, as it is by default.

The POD names of files are the plain basenames with any Perl-like extension (.pm, .pl, .pod) stripped, and path separators replaced by C<::>'s.

Calling Pod::Simple::Search->search(...)

is short for

Pod::Simple::Search->new->search(...). That is, a throwaway object with default attribute values is used.

```
=head2 C<< $search->simplify_name( $str ) >>
```

The method B<simplify_name> is equivalent to B<basename>, but also strips Perl-like extensions (.pm, .pl, .pod) and extensions like F<.bat>, F<.cmd> on Win32 and OS/2, or F<.com> on VMS, respectively.

```
=head2 C<< $search->find( $pod ) >>
```

```
=head2 C<< $search->find( $pod, @search_dirs ) >>
```

Returns the location of a Pod file, given a Pod/module/script name (like "Foo::Bar" or "perlvar" or "perldoc"), and an idea of what files/directories to look in.

It searches according to the various options set by the accessors above. (For example, if the C<inc> attribute is on, as it is by default, then the perl @INC directories are implicitly added to the list of directories (if any) that you specify.)

This returns the full path of the first occurrence to the file.

Package names (eg 'A::B') are automatically converted to directory

names in the selected directory. Additionally, '.pm', '.pl' and '.pod' are automatically appended to the search as required.

(So, for example, under Unix, "A::B" is converted to "somedir/A/B.pm",

"somedir/A/B.pod", or "somedir/A/B.pl", as appropriate.)

If no such Pod file is found, this method returns undef.

If any of the given search directories contains a F<pod/> subdirectory, then it is searched. (That's how we manage to find F<perlfunc>, for example, which is usually in F<pod/perlfunc> in most Perl dists.)

The C<verbose> and C<inc> attributes influence the behavior of this search; notably, C<inc>, if true, adds @INC I<and also \$Config::Config{'scriptdir'}> to the list of directories to search.

It is common to simply say C<< \$filename = Pod::Simple::Search-> new ->find("perlvar") >> so that just the @INC (well, and scriptdir) directories are searched. (This happens because the C<inc> attribute is true by default.)

Calling Pod::Simple::Search->find(...)

is short for

Pod::Simple::Search->new->find(...). That is, a throwaway object with default attribute values is used.

```
=head2 C<< $self->contains_pod( $file ) >>
```

Returns true if the supplied filename (not POD module) contains some Pod documentation.

```
=head1 SUPPORT
```

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<<https://github.com/perl-pod/pod-simple/>>. Feel free to fork and contribute, or to clone L<[git://github.com/perl-pod/pod-simple.git](https://github.com/perl-pod/pod-simple.git)> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

```
=head1 COPYRIGHT AND DISCLAIMERS
```

Copyright (c) 2002 Sean M. Burke.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org> with code borrowed from Marek Rouchal's L<Pod::Find>, which in turn heavily borrowed code from Nick Ing-Simmons' C<PodToHtml>.

But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Search.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::XMLOutputStream -- turn Pod into XML

=head1 SYNOPSIS

```
perl -MPod::Simple::XMLOutputStream -e \  
"exit Pod::Simple::XMLOutputStream->filter(shift)->any_errata_seen" \  
thingy.pod
```

=head1 DESCRIPTION

Pod::Simple::XMLOutputStream is a subclass of L<Pod::Simple> that parses Pod and turns it into XML.

Pod::Simple::XMLOutputStream inherits methods from L<Pod::Simple>.

=head1 SEE ALSO

L<Pod::Simple::DumpAsXML> is rather like this class; see its documentation for a discussion of the differences.

L<Pod::Simple>, L<Pod::Simple::DumpAsXML>, L<Pod::SAX>

L<Pod::Simple::Subclassing>

The older (and possibly obsolete) libraries L<Pod::PXML>, L<Pod::XML>

=head1 ABOUT EXTENDING POD

TODO: An example or two of =extend, then point to Pod::Simple::Subclassing

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Spell>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<<https://github.com/perl-pod/pod-simple/>>. Feel free to fork and contribute, or to clone L<[git://github.com/perl-pod/pod-simple.git](https://github.com/perl-pod/pod-simple.git)> and send patches!

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=head1 AUTHOR

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/XMLOutputStream.pm

No license file was found, but licenses were detected in source scan.

NAME

perlfaq3 - Programming Tools (\$Revision: 1.38 \$, \$Date: 1999/05/23 16:08:30 \$)

DESCRIPTION

This section of the FAQ answers questions related to programmer tools and programming support.

How do I do (anything)?

Have you looked at CPAN (see perlfaq2)? The chances are that someone has already written a module that can solve your problem. Have you read the appropriate man pages? Here's a brief index:

Basics	perldata, perlvar, perlsyn, perlop, perlsub
Execution	perlrun, perldebug
Functions	perlfunc
Objects	perlref, perlmod, perlobj, perltie
Data Structures	perlref, perllo, perldsc
Modules	perlmod, perlmodlib, perlsub
Regexes	perlre, perlfunc, perlop, perllocale
Moving to perl5	perltrap, perl
Linking w/C	perlxs, perlcall, perlguts, perlembed
Various	http://www.perl.com/CPAN/doc/FMTEYEWTK/index.html (not a man-page but still useful)

A crude table of contents for the Perl man page set is found in perltoc.

How can I use Perl interactively?

The typical approach uses the Perl debugger, described in the perldebug(1) man page, on an ``empty'' program, like

this:

```
perl -de 42
```

Now just type in any legal Perl code, and it will be immediately evaluated. You can also examine the symbol table, get stack backtraces, check variable values, set breakpoints, and other operations typically found in symbolic debuggers.

Is there a Perl shell?

In general, no. The Shell.pm module (distributed with Perl) makes Perl try commands which aren't part of the Perl language as shell commands. perlsh from the source distribution is simplistic and uninteresting, but may still be what you want.

How do I debug my Perl programs?

Have you tried use warnings or used -w? They enable warnings to detect dubious practices.

Have you tried use strict? It prevents you from

using symbolic references, makes you predeclare any subroutines that you call as bare words, and (probably most importantly) forces you to predeclare your variables with my, our, or use vars.

Did you check the return values of each and every system call? The operating system (and thus Perl) tells you whether they worked, and if not why.

```
open(FH, "> /etc/cantwrite")
    or die "Couldn't write to /etc/cantwrite: $!\n";
```

Did you read perltrap? It's full of gotchas for old and new Perl programmers and even has sections for those of you who are upgrading from languages like awk and C.

Have you tried the Perl debugger, described in perldebug? You can step through your program and see what it's doing and thus work out why what it's doing isn't what it should be doing.

How do I profile my Perl programs?

You should get the Devel::DProf module from the standard distribution (or separately on CPAN) and also use Benchmark.pm from the standard distribution. The Benchmark module lets you time specific portions of your code, while Devel::DProf gives detailed breakdowns of where your code spends its time.

Here's a sample use of Benchmark:

```
use Benchmark;
@junk = `cat /etc/motd`;
$count = 10_000;
timethese($count, {
    'map' => sub { my @a = @junk;
                  map { s/a/b/ } @a;
                  return @a
                },
    'for' => sub { my @a = @junk;
                  local $_;
                  for (@a) { s/a/b/ };
                  return @a },
});
```

This is what it prints (on one machine--your results will be dependent on your hardware, operating system, and the load on your machine):

```
Benchmark: timing 10000 iterations of for, map...
for: 4 secs ( 3.97 usr 0.01 sys = 3.98 cpu)
map: 6 secs ( 4.97 usr 0.00 sys = 4.97 cpu)
```

Be aware that a good benchmark is very hard to write. It only tests the data you give it and proves little about the differing complexities

of contrasting algorithms.

How do I cross-reference my Perl programs?

The B::Xref module, shipped with the new, alpha-release Perl compiler (not the general distribution prior to the 5.005 release), can be used to generate cross-reference reports for Perl programs.

```
perl -MO=Xref[,OPTIONS] scriptname.plx
```

Is there a pretty-printer (formatter) for Perl?

There is no program that will reformat Perl as much as indent(1) does for C. The complex feedback between the scanner and the parser (this feedback is what confuses the vgrind and emacs programs) makes it challenging at best to write a stand-alone Perl parser.

Of course, if you simply follow the guidelines in perlstyle, you shouldn't need to reformat. The habit of formatting your code as you write it will help prevent bugs. Your editor can and should help you with this. The perl-mode or newer cperl-mode for emacs can provide remarkable amounts of help with most (but not all) code, and even less programmable editors can provide

significant assistance. Tom swears by the following settings in vi and its clones:

```
set ai sw=4
```

```
map! ^O {^M}^[O^T
```

Now put that in your .exrc file (replacing the caret characters with control characters) and away you go. In insert mode, ^T is for indenting, ^D is for undenting, and ^O is for blockdenting-- as it were. If you haven't used the last one, you're missing a lot. A more complete example, with comments, can be found at <http://www.perl.com/CPAN-local/authors/id/TOMC/scripts/toms.exrc.gz>

If you are used to using the vgrind program for printing out nice code to a laser printer, you can take a stab at this using <http://www.perl.com/CPAN/doc/misc/tips/working.vgrind.entry>, but the results are not particularly satisfying for sophisticated code.

The a2ps at <http://www.infres.enst.fr/%7Edemaille/a2ps/> does lots of things related to generating nicely printed output of documents.

Is there a ctags for Perl?

There's a simple one at <http://www.perl.com/CPAN/authors/id/TOMC/scripts/ptags.gz>

which may do the trick. And if not, it's easy to hack into what you want.

Is there an IDE or Windows Perl Editor?

Perl programs are just plain text, so any editor will do.

If you're on Unix, you already have an IDE--Unix itself. The UNIX philosophy is the philosophy of several small tools that each do one thing and do it well. It's like a carpenter's toolbox.

If you want a Windows IDE, check the following:

CodeMagicCD

<http://www.codemagiccd.com/>

Komodo

ActiveState's cross-platform, multi-language IDE has Perl support, including a regular expression debugger and remote debugging (<http://www.ActiveState.com/Products/Komodo/index.html>). (Visual Perl, a Visual Studio.NET plug-in is currently (early 2001) in beta (<http://www.ActiveState.com/Products/VisualPerl/index.html>)).

The Object System

(http://www.castlelink.co.uk/object_system/) is a Perl web applications development IDE.

PerlBuilder

(<http://www.solutionsoft.com/perl.htm>) is an integrated development environment for Windows that supports Perl development.

Perl code magic

(<http://www.petes-place.com/codemagic.html>).

visiPerl+

<http://helpconsulting.net/visiperl/>, from Help Consulting.

For editors: if you're on Unix you probably have vi or a vi clone already, and possibly an emacs too, so you may not need to download anything. In any emacs the cperl-mode (M-x cperl-mode) gives you perhaps the best available Perl editing mode in any editor.

For Windows editors: you can download an Emacs

GNU Emacs

<http://www.gnu.org/software/emacs/windows/ntemacs.html>

MicroEMACS

<http://members.nbc.com/uemacs/>

XEmacs

<http://www.xemacs.org/Download/index.html>

or a vi clone such as

Elvis

<ftp://ftp.cs.pdx.edu/pub/elvis/> <http://www.fh-wedel.de/elvis/>

Vile

<http://vile.cx/>

Vim

<http://www.vim.org/>

win32: <http://www.cs.vu.nl/~7Etmgil/vi.html>

For vi lovers in general, Windows or elsewhere: <http://www.thomer.com/thomer/vi/vi.html>.

nvi (<http://www.bostic.com/vi/>, available from CPAN in src/misc/) is yet another vi clone, unfortunately not available for Windows, but in UNIX platforms you might be interested in trying it out, firstly because strictly speaking it is not a vi clone, it is the real vi, or the new incarnation of it, and secondly because you can embed Perl inside it to use Perl as the scripting language. nvi is not alone in this, though: at least also vim and vile offer an embedded Perl.

The following are Win32 multilanguage editor/IDESs that support Perl:

Codewright

<http://www.starbase.com/>

MultiEdit

<http://www.MultiEdit.com/>

SlickEdit

<http://www.slickedit.com/>

There is also a toyedit Text widget based editor written in Perl that is distributed with the Tk module on CPAN. The ptkdb (<http://world.std.com/~aep/ptkdb/>) is a Perl/tk based debugger that acts as a development environment of sorts. Perl Composer (<http://perlcomposer.sourceforge.net/vperl.html>) is an IDE for Perl/Tk GUI creation.

In addition to an editor/IDE you might be interested in a more powerful shell environment for Win32. Your options include

Bash

from

the Cygwin package (<http://sources.redhat.com/cygwin/>)

Ksh

from the MKS Toolkit (<http://www.mks.com/>), or the Bourne shell of the U/WIN environment

(<http://www.research.att.com/sw/tools/uwin/>)

Tcsh

<ftp://ftp.astron.com/pub/tcsh/>, see also <http://www.primite.wisc.edu/software/csh-tcsh-book/>

Zsh

<ftp://ftp.blarg.net/users/amol/zsh/>, see also <http://www.zsh.org/>

MKS and U/WIN are commercial (U/WIN is free for educational and research purposes), Cygwin is covered by the GNU Public License (but that shouldn't matter for Perl use). The Cygwin, MKS, and U/WIN all contain (in addition

to the shells) a comprehensive set of standard UNIX toolkit utilities.

If you're transferring text files between Unix and Windows using FTP be sure to transfer them in ASCII mode so the ends of lines are appropriately converted.

On Mac OS the MacPerl Application comes with a simple 32k text editor that behaves like a rudimentary IDE. In contrast to the MacPerl Application the MPW Perl tool can make use of the MPW Shell itself as an editor (with no 32k limit).

BBEdit and BBEEdit Lite

are text editors for Mac OS that have a Perl sensitivity mode (<http://web.barebones.com/>).

Alpha

is an editor, written and extensible in Tcl, that nonetheless has built in support for several popular markup and programming languages including Perl and HTML (<http://alpha.olm.net/>).

Pepper and Pe are programming language sensitive text editors for Mac OS X and BeOS respectively (<http://www.hekkelman.com/>).

Where can I get Perl macros for vi?

For a complete version of Tom Christiansen's vi configuration file, see

http://www.perl.com/CPAN/authors/Tom_Christiansen/scripts/toms.exrc.gz , the standard benchmark file for vi emulators. The file runs best with nvi, the current version of vi out of Berkeley, which incidentally can be built with an embedded Perl interpreter--see <http://www.perl.com/CPAN/src/misc>.

Where can I get perl-mode for emacs?

Since Emacs version 19 patchlevel 22 or so, there have been both a perl-mode.el

and support for the Perl debugger built in. These should come with the standard Emacs 19 distribution.

In the Perl source directory, you'll find a directory called "emacs", which contains a cperl-mode that color-codes keywords, provides context-sensitive help, and other nifty things.

Note that the perl-mode of emacs will have fits with "main'foo" (single quote), and mess up the indentation and highlighting. You are probably using "main::foo" in new Perl code anyway, so this shouldn't be an issue.

How can I use curses with Perl?

The Curses module from CPAN provides a dynamically loadable object module interface to a curses library. A small demo can be found at the directory http://www.perl.com/CPAN/authors/Tom_Christiansen/scripts/rep; this program repeats a command and updates the screen as needed, rendering rep ps axu similar to top.

How can I use X or Tk with Perl?

Tk is a completely Perl-based, object-oriented interface to the Tk toolkit that doesn't force you to use Tcl just to get at Tk. Sx is an interface to the Athena Widget set. Both are available from CPAN. See the directory http://www.perl.com/CPAN/modules/by-category/08_User_Interfaces/

Invaluable for Perl/Tk programming are the Perl/Tk FAQ at <http://w4.lns.cornell.edu/%7Epvh/ptk/ptkTOC.html> , the Perl/Tk Reference Guide available at http://www.perl.com/CPAN-local/authors/Stephen_O_Lidie/ , and the online manpages at <http://www-users.cs.umn.edu/%7Eamundson/perl/perlTk/toc.html> .

How can I generate simple menus without using CGI or Tk?

The <http://www.perl.com/CPAN/authors/id/SKUNZ/perlmenu.v4.0.tar.gz> module, which is curses-based, can help with this.

What is undump?

See the next question on ``How can I make my Perl program run faster?''

How can I make my Perl program run faster?

The best way to do this is to come up with a better algorithm. This can often make a dramatic difference. Jon Bentley's book ``Programming Pearls" (that's not a misspelling!) has some good tips on optimization, too. Advice on benchmarking boils down to: benchmark and profile to make sure you're optimizing the right part, look for better algorithms instead of microtuning your code, and when all else fails consider just buying faster hardware.

A different approach is to autoload seldom-used Perl code. See the AutoSplit and AutoLoader modules in the standard distribution for that. Or you could locate the bottleneck and think about writing just that part in C, the way

we used to take bottlenecks in C code and write them in assembler. Similar to rewriting in C, modules that have critical sections can be written in C (for instance, the PDL module from CPAN).

In some cases, it may be worth it to use the backend compiler to produce byte code (saving compilation time) or compile into C, which will certainly save compilation time and sometimes a small amount (but not much) execution time. See the question about compiling your Perl programs for more on the compiler--the wins aren't as obvious as you'd hope.

If

you're currently linking your perl executable to a shared libc.so, you can often gain a 10-25% performance benefit by rebuilding it to link with a static libc.a instead. This will make a bigger perl executable, but your Perl programs (and programmers) may thank you for it. See the INSTALL file in the source distribution for more information. Unsubstantiated reports allege that Perl interpreters that use sfio outperform those that don't (for I/O intensive applications). To try this, see the INSTALL file in the source distribution, especially the "Selecting File I/O mechanisms" section.

The undump program was an old attempt to speed up your Perl program by storing the already-compiled form to disk. This is no longer a viable option, as it only worked on a few architectures, and wasn't a good solution anyway.

How can I make my Perl program take less memory?

When it comes to time-space tradeoffs, Perl nearly always prefers to throw memory at a problem. Scalars in Perl use more memory than

strings in C, arrays take more than that, and hashes use even more. While there's still a lot to be done, recent releases have been addressing these issues. For example, as of 5.004, duplicate hash keys are shared amongst all hashes using them, so require no reallocation.

In some cases, using substr() or vec() to simulate arrays can be highly beneficial. For example, an array of a thousand booleans will take at least 20,000 bytes of space, but it can be turned into one 125-byte bit vector--a considerable memory savings. The standard Tie::SubstrHash module can also help for certain types of data structure. If you're working with specialist data structures (matrices, for instance) modules that implement these in C may use less memory than equivalent Perl modules.

Another thing to try is learning whether your Perl was compiled with the system malloc or with Perl's builtin malloc. Whichever one it is, try using the other one and see whether this makes a difference. Information about malloc is in the INSTALL file in the source distribution. You can find out whether you are using perl's malloc by typing `perl -V:usemymalloc`.

Is it unsafe to return a pointer to local data?

No, Perl's garbage collection system takes care of this.

```
sub makeone {
    my @a = ( 1 .. 10 );
    return \@a;
}
for $i ( 1 .. 10 ) {
    push @many, makeone();
}
print $many[4][5], "\n";
print "@many\n";
```

How can I free an array or hash so my program shrinks?

You can't. On most operating systems, memory allocated to a program can never be returned to the system. That's why long-running programs sometimes re-exec themselves. Some operating systems (notably, FreeBSD and Linux) allegedly reclaim large chunks of memory that is no longer used, but it doesn't appear to happen with Perl (yet). The Mac appears to be the only platform that will reliably (albeit, slowly) return memory to the OS.

We've had reports that on Linux (Redhat 5.1) on Intel, `undef $scalar` will return

memory to the system, while on Solaris 2.6 it won't. In general, try it yourself and see.

However, judicious use of `my()` on your variables will help make sure that they go out of scope so that Perl can free up that space for use in other parts of your program. A global variable, of course, never goes out of scope, so you can't get its space automatically reclaimed, although `undef()`ing and/or `delete()`ing it will achieve the same effect. In general, memory allocation and de-allocation isn't something you can or should be worrying about much in Perl, but even this capability (preallocation of data types) is in the works.

How can I make my CGI script more efficient?

Beyond the normal measures described to make general Perl programs faster or smaller, a CGI program has additional issues. It may be run several times per second. Given that each time it runs it will need to be re-compiled and will often allocate a megabyte or more of system memory, this can be a killer. Compiling into C isn't going to help you because the process start-up overhead is where the bottleneck is.

There are two popular ways to avoid this overhead. One solution involves running the Apache HTTP server (available from <http://www.apache.org/>) with either of the `mod_perl` or `mod_fastcgi` plugin modules.

With `mod_perl` and the `Apache::Registry` module (distributed with `mod_perl`), `httpd` will run with an embedded Perl interpreter which pre-compiles your script and then executes it within the same address space without forking. The Apache extension also gives Perl access to the internal server API, so modules written in Perl can do just about anything a module written in C can. For more on `mod_perl`, see <http://perl.apache.org/>

With the `FCGI` module (from CPAN) and the `mod_fastcgi` module (available from <http://www.fastcgi.com/>) each of your Perl programs becomes a permanent CGI daemon process.

Both of these solutions can have far-reaching effects on your system and on the way you write your CGI programs, so investigate them with care.

See http://www.perl.com/CPAN/modules/by-category/15_World_Wide_Web_HTML_HTTP_CGI/.

A non-free, commercial product, "The Velocity Engine for Perl", (<http://www.binevolve.com/> or <http://www.binevolve.com/velocigen/>) might also be worth looking at. It will allow you to increase the performance of your Perl programs, running programs up to 25 times faster than normal CGI Perl when running in persistent Perl mode or 4 to 5 times faster without any modification to your existing CGI programs. Fully functional evaluation copies are available from the web site.

How can I hide the source for my Perl program?

Delete it. :-) Seriously, there are a number of (mostly unsatisfactory) solutions with varying levels of "security". First of all, however, you can't take away read permission, because the source code has to be readable in order to be compiled and interpreted. (That doesn't mean that a CGI script's source is readable by people on the web, though--

only by people with access to the filesystem.) So you have to leave the permissions at the socially friendly 0755 level.

Some people regard this as a security problem. If your program does insecure things and relies on people not knowing how to exploit those insecurities, it is not secure. It is often possible for someone to determine the insecure things and exploit them without viewing the source. Security through obscurity, the name for hiding your bugs instead of fixing them, is little security indeed.

You can try using encryption via source filters (`Filter::*` from CPAN), but any decent programmer will be able to decrypt it. You can try using the byte code compiler and interpreter described below, but the curious might still be able to de-compile it. You can try using the native-code compiler described below, but crackers might be able to disassemble it. These pose varying degrees of difficulty to people wanting to get at your code, but none can definitively conceal it (true of every language, not just Perl).

If you're concerned about people profiting from your code, then the bottom line is that nothing but a restrictive license will give you legal security. License your software and pepper it with threatening statements like "This is unpublished proprietary software of XYZ Corp. Your access to it does not give you permission to use it blah blah blah." We are not lawyers, of course, so you should see a lawyer if you want to be sure your license's wording will

stand up in court.

How can I compile my Perl program into byte code or C?

Malcolm Beattie has written a multifunction backend compiler, available from CPAN, that can do both these things. It is included in the perl5.005 release, but is still considered experimental. This means it's fun to play with if you're a programmer but not really for people looking for turn-key solutions.

Merely compiling into C does not in and of itself guarantee that your code will run very much faster. That's because except for lucky cases where

a lot of native type inferencing is possible, the normal Perl run-time system is still present and so your program will take just as long to run and be just as big. Most programs save little more than compilation time, leaving execution no more than 10-30% faster. A few rare programs actually benefit significantly (even running several times faster), but this takes some tweaking of your code.

You'll probably be astonished to learn that the current version of the compiler generates a compiled form of your script whose executable is just as big as the original perl executable, and then some. That's because as currently written, all programs are prepared for a full eval() statement. You can tremendously reduce this cost by building a shared libperl.so library and linking against that. See the INSTALL podfile in the Perl source distribution for details. If you link your main perl binary with this, it will make it minuscule. For example, on one author's system, /usr/bin/perl is only 11k in size!

In general, the compiler will do nothing to make a Perl program smaller, faster, more portable, or more secure. In fact, it can make your situation worse. The executable will be bigger, your VM system may take longer to load the whole thing, the binary is fragile and hard to fix, and compilation never stopped software piracy in the form of crackers, viruses, or bootleggers. The real advantage of the compiler is merely packaging, and once you see the size of what it makes (well, unless you use a shared libperl.so), you'll probably want a complete Perl install anyway.

How can I compile Perl into Java?

You can also integrate Java and Perl with the Perl Resource Kit from O'Reilly and Associates. See <http://www.oreilly.com/catalog/prkunix/>.

Perl 5.6 comes with Java Perl Lingo, or JPL. JPL, still in development, allows Perl code to be called from Java. See jpl/README in the Perl source tree.

How can I get #!perl to work on [MS-DOS,NT,...]?

For OS/2 just use

```
extproc perl -S -your_switches
```

as

the first line in *.cmd file (-S due to a bug in cmd.exe's `extproc' handling). For DOS one should first invent a corresponding batch file and codify it in ALTERNATIVE_SHEBANG (see the INSTALL file in the source distribution for more information).

The Win95/NT installation, when using the ActiveState port of Perl, will modify the Registry to associate the .pl extension with the perl interpreter. If you install another port, perhaps even building your own Win95/NT Perl from the standard sources by using a Windows port of gcc (e.g., with cygwin or mingw32), then you'll have to modify the Registry yourself. In addition to associating .pl with the interpreter, NT people can use: SET PATHEXT=%PATHEXT%;.PL to let them run the program install-linux.pl merely by typing install-linux.

Macintosh Perl programs will have the appropriate Creator and Type, so that double-clicking them will invoke the Perl application.

IMPORTANT!: Whatever you do, PLEASE don't get frustrated, and just throw

the perl interpreter into your cgi-bin directory, in order to get your programs working for a web server. This is an EXTREMELY big security risk. Take the time to figure out how to do it correctly.

Can I write useful Perl programs on the command line?

Yes. Read perlrun for more information. Some examples follow. (These assume standard Unix shell quoting rules.)

```
# sum first and last fields
```

```

perl -lane 'print $F[0] + $F[-1]' *
# identify text files
perl -le 'for(@ARGV) {print if -f && -T _}' *
# remove (most) comments from C program
perl -0777 -pe 's{^\*.*?\*/}{ }gs' foo.c
# make file a month younger than today, defeating reaper daemons
perl -e '$X=24*60*60; utime(time(),time() + 30 * $X,@ARGV)' *
# find first unused uid
perl -le '$i++ while getpwuid($i); print $i'
# display reasonable manpath
echo $PATH | perl -nl -072 -e '
    s![^/+]*$!man!&&-d&&!$s{$_}++&&push@m,$_;END{print"@m"}'

```

OK, the last one was actually an Obfuscated Perl Contest

entry. :-)

Why don't Perl one-liners work on my DOS/Mac/VMS system?

The problem is usually that the command interpreters on those systems have rather different ideas about quoting than the Unix shells under which the one-liners were created. On some systems, you may have to change single-quotes to double ones, which you must NOT do on Unix or Plan9 systems. You might also have to change a single % to a %%.

For example:

```

# Unix
perl -e 'print "Hello world\n"'
# DOS, etc.
perl -e "print \"Hello world\n\""
# Mac
print "Hello world\n"
(then Run "Myscript" or Shift-Command-R)
# VMS
perl -e "print ""Hello world\n""

```

The problem is that none of these examples are reliable: they depend on the command interpreter. Under Unix, the first two often work. Under DOS, it's entirely possible that neither works. If 4DOS was the command shell, you'd probably have better luck like this:

```
perl -e "print <Ctrl-x>"Hello world\n<Ctrl-x>"
```

Under the Mac, it depends

which environment you are using. The MacPerl shell, or MPW, is much like Unix shells in its support for several quoting variants, except that it makes free use of the Mac's non-ASCII characters as control characters.

Using qq(), q(), and qx(), instead of "double quotes", 'single quotes', and `backticks`, may make one-liners easier to write.

There is no general solution to all of this. It is a mess, pure and simple. Sucks to be away from Unix, huh? :-)

[Some of this answer was contributed by Kenneth Albanowski.]

Where can I learn about CGI or Web programming in Perl?

For modules, get the CGI or LWP modules from CPAN. For textbooks, see the two especially dedicated to web stuff in the question on books. For problems and questions related to the web, like ``Why do I get 500 Errors" or ``Why doesn't it run from the browser right when it runs fine on the command line", see these sources:

```

WWW Security FAQ
  http://www.w3.org/Security/Faq/
Web FAQ
  http://www.boutell.com/faq/

```


CGI FAQ

<http://www.webthing.com/tutorials/cgifaq.html>

HTTP Spec

<http://www.w3.org/pub/WWW/Protocols/HTTP/>

HTML Spec

<http://www.w3.org/TR/REC-html40/>

<http://www.w3.org/pub/WWW/MarkUp/>

CGI Spec

<http://www.w3.org/CGI/>

CGI Security FAQ

<http://www.go2net.com/people/paulp/cgi-security/safe-cgi.txt>

Where can I learn about object-oriented Perl programming?

A good place to start is perltoot, and you can use perlobj, perlboot, and perlbot for reference. Perltoot didn't come out until the 5.004 release; you can get a copy (in pod, html, or postscript) from

<http://www.perl.com/CPAN/doc/FMTEYEWTK/> .

Where can I learn about linking C with Perl? [h2xs, xsubpp]

If you want to call C from Perl, start with perlxsut, moving on to perlxs, xsubpp, and perlguits. If you want to call Perl from C, then read perlembed, perllcall, and perlguts. Don't forget that you can learn a lot from looking at how the authors of existing extension modules

wrote their code and solved their problems.

I've read perlembed, perlguts, etc., but I can't embed perl in my C program; what am I doing wrong?

Download the ExtUtils::Embed kit from CPAN and run `make test'. If the tests pass, read the pods again and again and again. If they fail, see perlbug and send a bug report with the output of make test TEST_VERBOSE=1 along with perl -V.

When I tried to run my script, I got this message. What does it mean?

A complete list of Perl's error messages and warnings with explanatory text can be found in perldiag. You can also use the splain program (distributed with Perl) to explain the error messages:

```
perl program 2>diag.out
```

```
splain [-v] [-p] diag.out
```

or change your program to explain the messages for you:

```
use diagnostics;
```

or

```
use diagnostics -verbose;
```

What's MakeMaker?

This module (part of the standard Perl distribution) is designed to write a Makefile for an extension module from a Makefile.PL. For more information, see ExtUtils::MakeMaker.

AUTHOR

AND COPYRIGHT

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Irrespective of its distribution, all code examples here are in the public domain. You are permitted and encouraged to use this code and any derivatives thereof in your own programs for fun or for profit as you see fit. A simple comment in the code giving credit to the FAQ would be courteous but is not required.

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-

archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/t/perlfaqo.txt
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::PullParserStartToken -- start-tokens from Pod::Simple::PullParser

=head1 SYNOPSIS

(See L<Pod::Simple::PullParser>)

=head1 DESCRIPTION

When you do `$parser->get_token` on a L<Pod::Simple::PullParser> object, you might get an object of this class.

This is a subclass of L<Pod::Simple::PullParserToken> and inherits all its methods, and adds these methods:

=over

=item `$token->>tagname`

This returns the tagname for this start-token object.
For example, parsing a "`=head1 ...`" line will give you a start-token with the tagname of "head1", token(s) for its content, and then an end-token with the tagname of "head1".

=item `$token->tagname(I<somestring>)`

This changes the tagname for this start-token object.
You probably won't need to do this.

=item `$token->tag(...)`

A shortcut for `$token->tagname(...)`

=item `$token->is_tag(I<somestring>)` or `$token->is_tagname(I<somestring>)`

These are shortcuts for
C<< `$token->tag()` eq I<somestring> >>

=item `$token->attr(I<attrname>)`

This returns the value of the I<attrname> attribute for this start-token object, or undef.

For example, parsing a `LZ<><Foo/"Bar">` link will produce a start-token with a "to" attribute with the value "Foo", a "type" attribute with the value "pod", and a "section" attribute with the value "Bar".

```
=item $token->attr(I<attrname>, I<newvalue>)
```

This sets the `I<attrname>` attribute for this start-token object to `I<newvalue>`. You probably won't need to do this.

```
=item $token->attr_hash
```

This returns the hashref that is the attribute set for this start-token. This is useful if (for example) you want to ask what all the attributes are -- you can just do `C<< keys %{$token->attr_hash} >>`

```
=back
```

You're unlikely to ever need to construct an object of this class for yourself, but if you want to, call

```
C<<
Pod::Simple::PullParserStartToken->new( I<tagname>, I<attrhash> )
>>
```

```
=head1 SEE ALSO
```

[L<Pod::Simple::PullParserToken>](#), [L<Pod::Simple>](#),
[L<Pod::Simple::Subclassing>](#)

```
=head1 SEE ALSO
```

[L<Pod::Simple::PullParserToken>](#), [L<Pod::Simple>](#), [L<Pod::Simple::Subclassing>](#)

```
=head1 SUPPORT
```

Questions or discussion about POD and `Pod::Simple` should be sent to the `pod-people@perl.org` mail list. Send an empty email to `pod-people-subscribe@perl.org` to subscribe.

This module is managed in an open GitHub repository, [L<https://github.com/perl-pod/pod-simple/>](https://github.com/perl-pod/pod-simple/). Feel free to fork and contribute, or to clone [L<git://github.com/perl-pod/pod-simple.git>](https://github.com/perl-pod/pod-simple.git) and send patches!

Patches against `Pod::Simple` are welcome. Please send bug reports to [<bug-pod-simple@rt.cpan.org>](mailto:bug-pod-simple@rt.cpan.org).

```
=head1 COPYRIGHT AND DISCLAIMERS
```

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This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple

was created by Sean M. Burke <sburke@cpan.org>.

But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/PullParserStartToken.pm

No license file was found, but licenses were detected in source scan.

abstract: 'framework for parsing Pod'

author:

- 'Allison Randal <allison@perl.org>'

build_requires:

ExtUtils::MakeMaker: '0'

configure_requires:

ExtUtils::MakeMaker: '0'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 7.0401, CPAN::Meta::Converter version 2.150005'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'
name: Pod-Simple
no_index:
directory:
- t
- inc
recommends:
Encode: '2.78'
requires:
Carp: '0'
Config: '0'
Cwd: '0'
File::Basename: '0'
File::Find: '0'
File::Spec: '0'
Pod::Escapes: '1.04'
Symbol: '0'
Test: '1.25'
Test::More: '0'
Text::Wrap: '98.112902'
integer: '0'
overload: '0'
strict: '0'
resources:
bugtracker: <https://github.com/perl-pod/pod-simple/issues>
homepage: <http://search.cpan.org/dist/Pod-Simple/>
license: <http://dev.perl.org/licenses/>
repository: <git://github.com/perl-pod/pod-simple.git>
version:
'3.35'
x_serialization_backend: 'CPAN::Meta::YAML version 0.012'

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/META.yml

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Subclassing.pod

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::DumpAsText -- dump Pod-parsing events as text

=head1 SYNOPSIS

```
perl -MPod::Simple::DumpAsText -e \  
"exit Pod::Simple::DumpAsText->filter(shift)->any_errata_seen" \  
thingy.pod
```

=head1 DESCRIPTION

This class is for dumping, as text, the events gotten from parsing a Pod document. This class is of interest to people writing Pod formatters based on Pod::Simple. It is useful for seeing exactly what events you get out of some Pod that you feed in.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO

L<Pod::Simple::DumpAsXML>

L<Pod::Simple>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

This module is managed in an open GitHub repository, L<<https://github.com/perl-pod/pod-simple/>>. Feel free to fork and contribute, or to clone L<[git://github.com/perl-pod/pod-simple.git](https://github.com/perl-pod/pod-simple.git)> and send patches!

Patches against Pod::Simple are welcome. Please send bug reports to <bug-pod-simple@rt.cpan.org>.

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=head1 AUTHOR

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=back

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/DumpAsText.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple - framework for parsing Pod

=head1 SYNOPSIS

TODO

=head1 DESCRIPTION

Pod::Simple is a Perl library for parsing text in the Pod ("plain old documentation") markup language that is typically used for writing documentation for Perl and for Perl modules. The Pod format is explained in [L<perlpod>](#); the most common formatter is called `C<perldoc>`.

Be sure to read [L<ENCODING>](#) if your Pod contains non-ASCII characters.

Pod formatters can use Pod::Simple to parse Pod documents and render them into plain text, HTML, or any number of other formats. Typically, such formatters

will be subclasses of Pod::Simple, and so they will inherit its methods, like C<parse_file>.

If you're reading this document just because you have a Pod-processing subclass that you want to use, this document (plus the documentation for the subclass) is probably all you need to read.

If you're reading this document because you want to write a formatter subclass, continue reading it and then read L<Pod::Simple::Subclassing>, and then possibly even read L<perlpodspec> (some of which is for parser-writers, but much of which is notes to formatter-writers).

=head1 MAIN METHODS

=over

=item C<< \$parser = I<SomeClass>->new(); >>

This returns a new parser object, where I<C<SomeClass>> is a subclass of Pod::Simple.

=item C<< \$parser->output_fh(*OUT); >>

This sets the filehandle that C<\$parser>'s output will be written to. You can pass C<*STDOUT> or C<*STDERR>, otherwise you should probably do something like this:

```
my $outfile = "output.txt";
open TXTOUT, ">$outfile" or die "Can't write to $outfile: $!";
$parser->output_fh(*TXTOUT);
```

...before you call one of the C<< \$parser->parse_I<whatever> >> methods.

=item C<< \$parser->output_string(\somestring); >>

This sets the string that C<\$parser>'s output will be sent to, instead of any filehandle.

=item C<< \$parser->parse_file(I<\$some_filename>); >>

=item C<< \$parser->parse_file(*INPUT_FH); >>

This reads the Pod content of the file (or filehandle) that you specify, and processes it with that C<\$parser> object, according to however C<\$parser>'s class works, and according to whatever parser options you

have set up for this C<\$parser> object.

```
=item C<< $parser->parse_string_document( I<$all_content> ); >>
```

This works just like C<parse_file> except that it reads the Pod content not from a file, but from a string that you have already in memory.

```
=item C<< $parser->parse_lines( I<...@lines...>, undef ); >>
```

This processes the lines in C<@lines> (where each list item must be a defined value, and must contain exactly one line of content -- so no items like C<"foo\nbar"> are allowed). The final C<undef> is used to indicate the end of document being parsed.

The other C<parser_I<whatever>> methods are meant to be called only once per C<\$parser> object; but C<parse_lines> can be called as many times per C<\$parser> object as you want, as long as the last call (and only the last call) ends with an C<undef> value.

```
=item C<< $parser->content_seen >>
```

This returns true only if there has been any real content seen for this document. Returns false in cases where the document contains content, but does not make use of any Pod markup.

```
=item C<< I<SomeClass>->filter( I<$filename> ); >>
```

```
=item C<< I<SomeClass>->filter( I<*INPUT_FH> ); >>
```

```
=item C<< I<SomeClass>->filter( I<\$document_content> ); >>
```

This is a shortcut method for creating a new parser object, setting the output handle to STDOUT, and then processing the specified file (or filehandle, or in-memory document). This is handy for one-liners like this:

```
perl -MPod::Simple::Text -e "Pod::Simple::Text->filter('thingy.pod')"
```

```
=back
```

```
=head1 SECONDARY METHODS
```

Some of these methods might be of interest to general users, as

well as of interest to formatter-writers.

Note that the general pattern here is that the accessor-methods read the attribute's value with

```
C<< $value = $parser->I<attribute> >>
```

and set the attribute's value with

```
C<< $parser->I<attribute>(I<newvalue>) >>. For each accessor, I typically only mention one syntax or another, based on which I think you are actually most likely to use.
```

=over

```
=item C<< $parser->parse_characters( I<SOMEVALUE> ) >>
```

The Pod parser normally expects to read octets and to convert those octets to characters based on the C<=<encoding> declaration in the Pod source. Set this option to a true value to indicate that the Pod source is already a Perl character stream. This tells the parser to ignore any C<=<encoding> command and to skip all the code paths involving decoding octets.

```
=item C<< $parser->no_whining( I<SOMEVALUE> ) >>
```

If you set this attribute to a true value, you will suppress the parser's complaints about irregularities in the Pod coding. By default, this attribute's value is false, meaning that irregularities will be reported.

Note that turning this attribute to true won't suppress one or two kinds of complaints about rarely occurring unrecoverable errors.

```
=item C<< $parser->no_errata_section( I<SOMEVALUE> ) >>
```

If you set this attribute to a true value, you will stop the parser from generating a "POD ERRORS" section at the end of the document. By default, this attribute's value is false, meaning that an errata section will be generated, as necessary.

```
=item C<< $parser->complain_stderr( I<SOMEVALUE> ) >>
```

If you set this attribute to a true value, it will send reports of parsing errors to `STDERR`. By default, this attribute's value is false, meaning that no output is sent to `STDERR`.

Setting C<complain_stderr> also sets C<no_errata_section>.

=item C<< \$parser->source_filename >>

This returns the filename that this parser object was set to read from.

=item C<< \$parser->doc_has_started >>

This returns true if C<\$parser> has read from a source, and has seen Pod content in it.

=item C<< \$parser->source_dead >>

This returns true if C<\$parser> has read from a source, and come to the end of that source.

=item C<< \$parser->strip_verbatim_indent(I<SOMEVALUE>) >>

The perlpod spec for a Verbatim paragraph is "It should be reproduced exactly...", which means that the whitespace you've used to indent your verbatim blocks will be preserved in the output. This can be annoying for outputs such as HTML, where that whitespace will remain in front of every line. It's an unfortunate case where syntax is turned into semantics.

If the POD you're parsing adheres to a consistent indentation policy, you can have such indentation stripped from the beginning of every line of your verbatim blocks. This method tells Pod::Simple what to strip. For two-space indents, you'd use:

```
$parser->strip_verbatim_indent(' ');
```

For tab indents, you'd use a tab character:

```
$parser->strip_verbatim_indent("\t");
```

If the POD is inconsistent about the indentation of verbatim blocks, but you have figured out a heuristic to determine how much a particular verbatim block is

indented, you can pass a code reference instead. The code reference will be executed with one argument, an array reference of all the lines in the verbatim block, and should return the value to be stripped from each line. For example, if you decide that you're fine to use the first line of the verbatim block to set the standard for indentation of the rest of the block, you can look at the first line and return the appropriate value, like so:

```
$new->strip_verbatim_indent(sub {
    my $lines = shift;
    (my $indent = $lines->[0]) =~ s/^S.*//;
    return $indent;
});
```

If you'd rather treat each line individually, you can do that, too, by just transforming them in-place in the code reference and returning C<undef>. Say that you don't want I<any> lines indented. You can do something like this:

```
$new->strip_verbatim_indent(sub {
    my $lines = shift;
    sub { s/^s+// for @{$lines} },
    return undef;
});
```

=back

=head1 TERTIARY METHODS

=over

```
=item C<< $parser->abandon_output_fh()
>>X<abandon_output_fh>
```

Cancel output to the file handle. Any POD read by the C<\$parser> is not effected.

```
=item C<< $parser->abandon_output_string() >>X<abandon_output_string>
```

Cancel output to the output string. Any POD read by the C<\$parser> is not effected.

```
=item C<< $parser->accept_code( @codes ) >>X<accept_code>
```

Alias for L<< accept_codes >>.

```
=item C<< $parser->accept_codes( @codes ) >>X<accept_codes>
```

Allows C<\$parser> to accept a list of L<perlpod/Formatting Codes>. This can be used to implement user-defined codes.

```
=item C<< $parser->accept_directive_as_data( @directives ) >>X<accept_directive_as_data>
```

Allows C<\$parser> to accept a list of directives for data paragraphs. A directive is the label of a L<perlpod/Command Paragraph>. A data paragraph is one delimited by C<< =begin/=for/=end >> directives. This can be used to implement user-defined directives.

=item C<< \$parser->accept_directive_as_processed(@directives) >>X<accept_directive_as_processed>

Allows

C<\$parser> to accept a list of directives for processed paragraphs. A directive is the label of a L<perlpod/Command Paragraph>. A processed paragraph is also known as L<perlpod/Ordinary Paragraph>. This can be used to implement user-defined directives.

=item C<< \$parser->accept_directive_as_verbatim(@directives) >>X<accept_directive_as_verbatim>

Allows C<\$parser> to accept a list of directives for L<perlpod/Verbatim Paragraph>. A directive is the label of a L<perlpod/Command Paragraph>. This can be used to implement user-defined directives.

=item C<< \$parser->accept_target(@targets) >>X<accept_target>

Alias for L<< accept_targets >>.

=item C<< \$parser->accept_target_as_text(@targets) >>X<accept_target_as_text>

Alias for L<< accept_targets_as_text >>.

=item C<< \$parser->accept_targets(@targets) >>X<accept_targets>

Accepts targets for C<< =begin/=for/=end >> sections of the POD.

=item C<< \$parser->accept_targets_as_text(@targets) >>X<accept_targets_as_text>

Accepts

targets for C<< =begin/=for/=end >> sections that should be parsed as POD. For details, see L<< perlpodspec/About Data Paragraphs >>.

=item C<< \$parser->any_errata_seen() >>X<any_errata_seen>

Used to check if any errata was seen.

I<Example:>

```
die "too many errors\n" if $parser->any_errata_seen();
```

=item C<< \$parser->errata_seen() >>X<errata_seen>

Returns a hash reference of all errata seen, both whines and screams. The hash reference's keys are the line number and the value is an array reference of the errors for that line.

I<Example:>

```
if ( $parser->any_errata_seen() ) {  
    $logger->log( $parser->errata_seen() );  
}
```

=item C<< \$parser->detected_encoding() >>X<detected_encoding>

Return the encoding corresponding to C<< =encoding >>, but only if the encoding was recognized and handled.

=item C<< \$parser->encoding() >>X<encoding>

Return encoding of the document, even if the encoding is not correctly handled.

=item C<< \$parser->parse_from_file(\$source, \$to) >>X<parse_from_file>

Parses

from C<\$source> file to C<\$to> file. Similar to L<< Pod::Parser/parse_from_file >>.

=item C<< \$parser->scream(@error_messages) >>X<scream>

Log an error that can't be ignored.

=item C<< \$parser->unaccept_code(@codes) >>X<unaccept_code>

Alias for L<< unaccept_codes >>.

=item C<< \$parser->unaccept_codes(@codes) >>X<unaccept_codes>

Removes C<< @codes >> as valid codes for the parse.

=item C<< \$parser->unaccept_directive(@directives) >>X<unaccept_directive>

Alias for L<< unaccept_directives >>.

=item C<< \$parser->unaccept_directives(@directives) >>X<unaccept_directives>

Removes C<< @directives >> as valid directives for the parse.

=item C<< \$parser->unaccept_target(@targets) >>X<unaccept_target>

Alias for L<< unaccept_targets >>.

=item C<< \$parser->unaccept_targets(@targets) >>X<unaccept_targets>

Removes C<< @targets >> as valid targets for the parse.

=item C<< \$parser->version_report() >>X<version_report>

Returns a string describing the version.

=item

C<< \$parser->whine(@error_messages) >>X<whine>

Log an error unless C<< \$parser->no_whining(TRUE); >>.

=back

=head1 ENCODING

The Pod::Simple parser expects to read B<octets>. The parser will decode the octets into Perl's internal character string representation using the value of the C<=<encoding> declaration in the POD source.

If the POD source does not include an C<=<encoding> declaration, the parser will attempt to guess the encoding (selecting one of UTF-8 or CP 1252) by examining the first non-ASCII bytes and applying the heuristic described in L<perlpodspec>. (If the POD source contains only ASCII bytes, the encoding is assumed to be ASCII.)

If you set the C<parse_characters> option to a true value the parser will expect characters rather than octets; will ignore any C<=<encoding>; and will make no attempt to decode the input.

=head1 SEE ALSO

L<Pod::Simple::Subclassing>

L<perlpod|perlpod>

L<perlpodspec|perlpodspec>

L<Pod::Escapes|Pod::Escapes>

L<perldoc>

=head1

SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

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to clone L<git://github.com/perl-pod/pod-simple.git> and send patches!

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This program is distributed in the hope that it will be useful, but without any warranty; without even the implied warranty of merchantability or fitness for a particular purpose.

=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>. But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item

* Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

Documentation has been contributed by:

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=item * Gabor Szabo C<szabgab@gmail.com>

=item * Shawn H Corey C<SHCOREY at cpan.org>

=back

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-

archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple.pod
No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::DumpAsXML -- turn Pod into XML

=head1 SYNOPSIS

```
perl -MPod::Simple::DumpAsXML -e \  
"exit Pod::Simple::DumpAsXML->filter(shift)->any_errata_seen" \  
thingy.pod
```

=head1 DESCRIPTION

Pod::Simple::DumpAsXML is a subclass of L<Pod::Simple> that parses Pod and turns it into indented and wrapped XML. This class is of interest to people writing Pod formatters based on Pod::Simple.

Pod::Simple::DumpAsXML inherits methods from L<Pod::Simple>.

=head1 SEE ALSO

L<Pod::Simple::XMLOutputStream> is rather like this class. Pod::Simple::XMLOutputStream's output is space-padded in a way that's better for sending to an XML processor (that is, it has no ignorable whitespace). But Pod::Simple::DumpAsXML's output is much more human-readable, being (more-or-less) one token per line, with line-wrapping.

L<Pod::Simple::DumpAsText> is rather like this class, except that it doesn't dump with XML syntax. Try them and see which one you like best!

L<Pod::Simple>, L<Pod::Simple::DumpAsXML>

The older libraries L<Pod::PXML>, L<Pod::XML>, L<Pod::SAX>

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=back

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No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::PullParser -- a pull-parser interface to parsing Pod

=head1 SYNOPSIS

```
my $parser = SomePodProcessor->new;
$parser->set_source( "whatever.pod" );
$parser->run;
```

Or:

```
my $parser = SomePodProcessor->new;
$parser->set_source( $some_filehandle_object );
$parser->run;
```

Or:

```
my $parser = SomePodProcessor->new;
$parser->set_source( \ $document_source );
$parser->run;
```

Or:

```
my $parser = SomePodProcessor->new;
$parser->set_source( \@document_lines );
$parser->run;
```

And elsewhere:

```
require 5;
package SomePodProcessor;
use strict;
use base qw(Pod::Simple::PullParser);

sub run {
    my $self = shift;
    Token:
    while(my $token = $self->get_token) {
        ...process each token...
    }
}
```

=head1 DESCRIPTION

This class is for using Pod::Simple to build a Pod processor -- but one that uses an interface based on a stream of token objects, instead of based on events.

This is a subclass of L<Pod::Simple> and inherits all its methods.

A subclass of Pod::Simple::PullParser should define a C<run> method

that calls `C<< $token = $parser->get_token >>` to pull tokens.

See the source for `Pod::Simple::RTF` for an example of a formatter that uses `Pod::Simple::PullParser`.

=head1 METHODS

=over

=item my \$token = \$parser->get_token

This returns the next token object (which will be of a subclass of `L<Pod::Simple::PullParserToken>`), or `undef` if the parser-stream has hit the end of the document.

=item \$parser->unget_token(\$token)

=item \$parser->unget_token(\$token1, \$token2, ...)

This restores the token object(s) to the front of the parser stream.

=back

The source has to be set before you can parse anything. The lowest-level way is to call `C<set_source>`:

=over

=item \$parser->set_source(\$filename)

=item \$parser->set_source(\$filehandle_object)

=item \$parser->set_source(\ \$document_source)

=item \$parser->set_source(\@document_lines)

=back

Or you can call these methods, which `Pod::Simple::PullParser` has defined to work just like `Pod::Simple`'s same-named methods:

=over

=item \$parser->parse_file(...)

=item \$parser->parse_string_document(...)

```
=item $parser->filter(...)
```

```
=item $parser->parse_from_file(...)
```

```
=back
```

For those to work, the Pod-processing subclass of Pod::Simple::PullParser has to have defined a \$parser->run method -- so it is advised that all Pod::Simple::PullParser subclasses do so. See the Synopsis above, or the source for Pod::Simple::RTF.

Authors of formatter subclasses might find these methods useful to call on a parser object that you haven't started pulling tokens from yet:

```
=over
```

```
=item my $title_string = $parser->get_title
```

This tries to get the title string out of \$parser, by getting some tokens, and scanning them for the title, and then ungetting them so that you can process the token-stream from the beginning.

For example, suppose you have a document that starts out:

```
=head1 NAME
```

```
Hoo::Boy::Wowza -- Stuff B<wow> yeah!
```

```
$parser->get_title  
on that document will return "Hoo::Boy::Wowza --  
Stuff wow yeah!". If the document starts with:
```

```
=head1 Name
```

```
Hoo::Boy::W00t -- Stuff B<w00t> yeah!
```

Then you'll need to pass the C<nocase> option in order to recognize "Name":

```
$parser->get_title(nocase => 1);
```

In cases where get_title can't find the title, it will return empty-string ("").

```
=item my $title_string = $parser->get_short_title
```

This is just like get_title, except that it returns just the modulename, if the title seems to be of the form "SomeModuleName -- description".

For example, suppose you have a document that starts out:

```
=head1 NAME
```

```
Hoo::Boy::Wowza -- Stuff B<wow> yeah!
```

then `$parser->get_short_title` on that document will return "Hoo::Boy::Wowza".

But if the document starts out:

```
=head1 NAME
```

```
Hooboy, stuff B<wow> yeah!
```

then `$parser->get_short_title` on that document will return "Hooboy, stuff wow yeah!". If the document starts with:

```
=head1 Name
```

```
Hoo::Boy::W00t -- Stuff B<w00t>  
yeah!
```

Then you'll need to pass the `C<nocase>` option in order to recognize "Name":

```
$parser->get_short_title(nocase => 1);
```

If the title can't be found, then `get_short_title` returns empty-string ("").

```
=item $author_name = $parser->get_author
```

This works like `get_title` except that it returns the contents of the "`=head1 AUTHOR\n\nParagraph...\n`" section, assuming that that section isn't terribly long. To recognize a "`=head1 Author\n\nParagraph\n`" section, pass the `C<nocase>` option:

```
$parser->get_author(nocase => 1);
```

(This method tolerates "AUTHORS" instead of "AUTHOR" too.)

```
=item $description_name = $parser->get_description
```

This works like `get_title` except that it returns the contents of the "`=head1 DESCRIPTION\n\nParagraph...\n`" section, assuming that that section isn't terribly long. To recognize a "`=head1 Description\n\nParagraph\n`" section, pass the `C<nocase>` option:

```
$parser->get_description(nocase => 1);
```

```
=item $version_block = $parser->get_version
```

This works like

`get_title` except that it returns the contents of the `"=head1 VERSION\n\n[BIG BLOCK]\n"` block. Note that this does NOT return the module's `C<$VERSION>!!` To recognize a `"=head1 Version\n\n[BIG BLOCK]\n"` section, pass the `C<nocase>` option:

```
$parser->get_version(nocase => 1);
```

```
=back
```

```
=head1 NOTE
```

You don't actually I<have> to define a `C<run>` method. If you're writing a Pod-formatter class, you should define a `C<run>` just so that users can call `C<parse_file>` etc, but you don't I<have> to.

And if you're not writing a formatter class, but are instead just writing a program that does something simple with a `Pod::PullParser` object (and not an object of a subclass), then there's no reason to bother subclassing to add a `C<run>` method.

```
=head1 SEE ALSO
```

L<Pod::Simple>

L<Pod::Simple::PullParserToken> -- and its subclasses

L<Pod::Simple::PullParserStartToken>,

L<Pod::Simple::PullParserTextToken>, and

L<Pod::Simple::PullParserEndToken>.

L<HTML::TokeParser>, which inspired this.

```
=head1 SUPPORT
```

Questions

or discussion about POD and `Pod::Simple` should be sent to the `pod-people@perl.org` mail list. Send an empty email to `pod-people-subscribe@perl.org` to subscribe.

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=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

JUNK:

```
sub _old_get_title { # some witchery in here
    my $self = $_[0];
    my $title;
    my @to_unget;

    while(1) {
        push @to_unget, $self->get_token;
        unless(defined $to_unget[-1]) { # whoops, short doc!
            pop @to_unget;
            last;
        }
    }
}
```



```

DEBUG and print STDERR "-Got token ", $to_unget[-1]->dump, "\n";

(DEBUG and print STDERR "Too much in the buffer.\n"),
last if @to_unget > 25; # sanity

my $pattern = "";
if( # $to_unget[-1]->type eq 'end'
    #and $to_unget[-1]->tagname eq 'Para'
    #and
    ($pattern = join("
    map {;
        ($->type eq 'start') ? ("<" . $->tagname . ">")
        : ($->type eq 'end' ) ? ("</" . $->tagname . ">")
        : ($->type eq 'text' ) ? ($->text =~ m<^([A-Z]+)$>s ? $1 : 'X'
        : "BLORP"
    } @to_unget
)) =~ m{<head1>NAME</head1><Para>(X|</?[BCIFLS]>)+</Para>}$s
) {
    # Whee, it fits the pattern
    DEBUG and print STDERR "Seems to match =head1 NAME pattern.\n";
    $title = "";
    foreach my $t (reverse @to_unget) {
        last if $t->type eq 'start' and $t->tagname eq 'Para';
        $title = $t->text . $title if $t->type eq 'text';
    }
    undef $title if $title =~ m<^\s*$>; # make sure it's contentful!
    last;

} elsif ($pattern =~ m{<head(\d)>(.)</head\d>}
and !( $1 eq '1' and $2 eq 'NAME' )
) {
    # Well, it fits a fallback pattern
    DEBUG and print STDERR "Seems to match NAMEless pattern.\n";
    $title = "";
    foreach my $t (reverse @to_unget) {
        last if $t->type eq 'start' and $t->tagname =~ m/^head\d$/s;
        $title = $t->text . $title if $t->type eq 'text';
    }
    undef $title if $title =~ m<^\s*$>; # make sure it's contentful!
    last;

} else {
    DEBUG and $pattern and print STDERR "Leading pattern: $pattern\n";
}
}

# Put it all back:
$self->unget_token(@to_unget);

```

```

if(DEBUG) {
    if(defined $title) { print STDERR " Returning title <$title>\n" }
    else { print STDERR "Returning title <>\n" }
}

return " unless defined $title;
return $title;
}

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-
archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
3.35/lib/Pod/Simple/PullParser.pm

```

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::HTMLBatch - convert several Pod files to several HTML files

=head1 SYNOPSIS

```
perl -MPod::Simple::HTMLBatch -e 'Pod::Simple::HTMLBatch::go' in out
```

=head1 DESCRIPTION

This module is used for running batch-conversions of a lot of HTML documents

This class is NOT a subclass of Pod::Simple::HTML (nor of bad old Pod::Html) -- although it uses Pod::Simple::HTML for doing the conversion of each document.

The normal use of this class is like so:

```

use Pod::Simple::HTMLBatch;
my $batchconv = Pod::Simple::HTMLBatch->new;
$batchconv->some_option( some_value );
$batchconv->some_other_option( some_other_value );
$batchconv->batch_convert( \@search_dirs, $output_dir );

```

=head2 FROM THE COMMAND LINE

Note that this class also provides (but does not export) the function Pod::Simple::HTMLBatch::go.

This is basically just a shortcut for C<<

```
Pod::Simple::HTMLBatch->batch_convert(@ARGV) >>.
```

It's

meant to be handy for calling from the command line.

However, the shortcut requires that you specify exactly two command-line arguments, C<indirs> and C<outdir>.

Example:

```
% mkdir out_html
% perl -MPod::Simple::HTMLBatch -e Pod::Simple::HTMLBatch::go @INC out_html
  (to convert the pod from Perl's @INC
   files under the directory ./out_html)
```

(Note that the command line there contains a literal atsign-I-N-C. This is handled as a special case by batch_convert, in order to save you having to enter the odd-looking "" as the first command-line parameter when you mean "just use whatever's in @INC".)

Example:

```
% mkdir ../seekrut
% chmod og-rx ../seekrut
% perl -MPod::Simple::HTMLBatch -e Pod::Simple::HTMLBatch::go . ../seekrut
  (to convert the pod under the current dir into HTML
   files under the directory ../seekrut)
```

Example:

```
% perl -MPod::Simple::HTMLBatch -e Pod::Simple::HTMLBatch::go happydocs .
  (to convert all pod from happydocs into the current
  directory)
```

```
=head1 MAIN METHODS
```

```
=over
```

```
=item $batchconv = Pod::Simple::HTMLBatch->new;
```

```
This TODO
```

```
=item $batchconv->batch_convert( I<indirs>, I<outdir> );
```

```
this TODO
```

```
=item $batchconv->batch_convert( undef , ...);
```

```
=item $batchconv->batch_convert( q{ @INC}, ...);
```

These two values for I<indirs> specify that the normal Perl @INC

```
=item $batchconv->batch_convert( \@dirs , ...);
```

This specifies that the input directories are the items in the arrayref C<\@dirs>.

```
=item $batchconv->batch_convert( "somedir" , ...);
```

This specifies that the director "somedir" is the input. (This can be an absolute or relative path, it doesn't matter.)

A common value you might want would be just "." for the current directory:

```
$batchconv->batch_convert( "." , ...);
```

```
=item $batchconv->batch_convert( 'somedir:someother:also' , ...);
```

This specifies that you want the dirs "somedir", "someother", and "also" scanned, just as if you'd passed the arrayref C<[qw(somedir someother also)]>. Note that a ":"-separator is normal under Unix, but Under MSWin, you'll need C<'somedir;someother;also'> instead, since the pathsep on MSWin is ";" instead of ":". (And I<that> is because ":" often comes up in paths, like C<"c:/perl/lib">.)

(Exactly what separator character should be used, is gotten from C<\$Config::Config{'path_sep'}>, via the L<Config> module.)

```
=item $batchconv->batch_convert( ... , undef );
```

This specifies that you want the HTML output to go into the current directory.

(Note that a missing or undefined value means a different thing in the first slot than in the second. That's so that C<batch_convert()> with no arguments (or undef arguments) means "go from @INC, into the current directory.")

```
=item $batchconv->batch_convert( ... , 'somedir' );
```

This specifies that you want the HTML output to go into the

directory 'somedir'.

(This can be an absolute or relative path, it doesn't matter.)

=back

Note that you can also call `C<batch_convert>` as a class method, like so:

```
Pod::Simple::HTMLBatch->batch_convert(
... );
```

That is just short for this:

```
Pod::Simple::HTMLBatch->new->batch_convert(...);
```

That is, it runs a conversion with default options, for whatever inputdirs and output dir you specify.

=head2 ACCESSOR METHODS

The following are all accessor methods -- that is, they don't do anything on their own, but just alter the contents of the conversion object, which comprises the options for this particular batch conversion.

We show the "put" form of the accessors below (i.e., the syntax you use for setting the accessor to a specific value). But you can also call each method with no parameters to get its current value. For example, `C<< $self->contents_file() >>` returns the current value of the `contents_file` attribute.

=over

```
=item $batchconv->verbose( I<nonnegative_integer> );
```

This controls how verbose to be during batch conversion, as far as notes to `STDOUT` (or whatever is `C<select>'d`) about how the conversion is going. If 0, no progress information is printed.

If 1 (the default value), some progress information is printed.

Higher values print more information.

```
=item $batchconv->index( I<true-or-false> );
```

This controls whether or not each HTML page is liable to have a little

table of contents at the top (which we call an "index" for historical reasons). This is true by default.

```
=item $batchconv->contents_file( I<filename> );
```

If set, should be the name of a file (in the output directory) to write the HTML index to. The default value is "index.html". If you set this to a false value, no contents file will be written.

```
=item $batchconv->contents_page_start( I<HTML_string> );
```

This specifies what string should be put at the beginning of the contents page.

The default is a string more or less like this:

```
<html>
<head><title>Perl Documentation</title></head>
<body class='contentspage'>
<h1>Perl Documentation</h1>
```

```
=item $batchconv->contents_page_end( I<HTML_string> );
```

This specifies what string should be put at the end of the contents page.

The default is a string more or less like this:

```
<p class='contentsfooty'>Generated by
Pod::Simple::HTMLBatch v3.01 under Perl v5.008
<br>At Fri May 14 22:26:42 2004 GMT,
which is Fri May 14 14:26:42 2004 local time.</p>
```

```
=item $batchconv->add_css( $url );
```

TODO

```
=item $batchconv->add_javascript( $url );
```

TODO

```
=item $batchconv->css_flurry( I<true-or-false> );
```

If true (the default value), we autogenerate some CSS files in the output directory, and set our HTML files to use those.

TODO: continue

```
=item $batchconv->javascript_flurry( I<true-or-false> );
```

If true (the default value), we autogenerate a JavaScript in the output directory, and set our HTML files to use it. Currently, the JavaScript is used only to get the browser to remember what stylesheet it prefers.

TODO: continue

```
=item $batchconv->no_contents_links( I<true-or-false> );
```

TODO

```
=item $batchconv->html_render_class( I<classname> );
```

This sets what class is used for rendering the files.

The

default is "Pod::Simple::HTML". If you set it to something else, it should probably be a subclass of Pod::Simple::HTML, and you should C<require> or C<use> that class so that's it's loaded before Pod::Simple::HTMLBatch tries loading it.

```
=item $batchconv->search_class( I<classname> );
```

This sets what class is used for searching for the files.

The default is "Pod::Simple::Search". If you set it to something else, it should probably be a subclass of Pod::Simple::Search, and you should C<require> or C<use> that class so that's it's loaded before Pod::Simple::HTMLBatch tries loading it.

```
=back
```

```
=head1 NOTES ON CUSTOMIZATION
```

TODO

call `add_css($someurl)` to add stylesheet as alternate
call `add_css($someurl,1)` to add as primary stylesheet

call `add_javascript`

subclass Pod::Simple::HTML and set `$batchconv->html_render_class` to that classname

and maybe override

`$page->batch_mode_page_object_init($self, $module, $infile, $outfile, $depth)`

or maybe override

```
$batchconv->batch_mode_page_object_init($page, $module, $infile, $outfile, $depth)
subclass Pod::Simple::Search and set $batchconv->search_class to
that classname
```

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::HTMLBatch>, L<perlpod>, L<perlpodspec>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

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=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/HTMLBatch.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::Text -- format Pod as plaintext

=head1 SYNOPSIS

```
perl -MPod::Simple::Text -e \  
"exit Pod::Simple::Text->filter(shift)->any_errata_seen" \  
thingy.pod
```

=head1 DESCRIPTION

This class is a formatter that takes Pod and renders it as wrapped plaintext.

Its wrapping is done by L<Text::Wrap>, so you can change C<\$Text::Wrap::columns> as you like.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::TextContent>, L<Pod::Text>

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archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
3.35/lib/Pod/Simple/Text.pm

No license file was found, but licenses were detected in source scan.

=head1 NAME

Pod::Simple::Checker -- check the Pod syntax of a document

=head1 SYNOPSIS

```
perl -MPod::Simple::Checker -e \  
"exit Pod::Simple::Checker->filter(shift)->any_errata_seen" \  
thingy.pod
```

=head1 DESCRIPTION

This class is for checking the syntactic validity of Pod. It works by basically acting like a simple-minded version of L<Pod::Simple::Text> that formats only the "Pod Errors" section (if Pod::Simple even generates one for the given document).

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Checker>

=head1 SUPPORT

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TODO: let it be an option whether a given subclass even wants little treelets?

__END__

=head1 NAME

Pod::Simple::LinkSection -- represent "section" attributes of L codes

=head1 SYNOPSIS

a long story

=head1 DESCRIPTION

This class is not of interest to general users.

Pod::Simple uses this class for representing the value of the "section" attribute of "L" start-element events. Most applications can just use the normal stringification of objects of this class; they stringify to just the text content of the section, such as "foo" for C<< LZ<><Stuff/foo> >>, and "bar" for C<< LZ<><Stuff/bIZ<><ar>> >>.

However, anyone particularly interested in getting the full value of the treelet, can just traverse the content of the treelet @\$treelet_object. To wit:

```
% perl -MData::Dumper -e
  "use base qw(Pod::Simple::Methody);
```

```

sub start_L { print Dumper($_[1]{'section'}) }
__PACKAGE__->new->parse_string_document('=head1
L<Foo/bI<ar>baz>>')
"

```

Output:

```

$VAR1 = bless( [
    ",
    {},
    'b',
    bless( [
        'T',
        {},
        'ar'
    ], 'Pod::Simple::LinkSection' ),
    'baz'
], 'Pod::Simple::LinkSection' );

```

But stringify it and you get just the text content:

```

% perl -MData::Dumper -e
"use base qw(Pod::Simple::Methody);
sub start_L { print Dumper(" . $_[1]{'section'}) }
__PACKAGE__->new->parse_string_document('=head1 L<Foo/bI<ar>baz>>')
"

```

Output:

```
$VAR1 = 'barbaz';
```

=head1 SEE ALSO

L<Pod::Simple>

=head1 SUPPORT

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=back

=cut

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-  
archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-  
3.35/lib/Pod/Simple/LinkSection.pm
```

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=head1 NAME

Pod::Simple::SimpleTree -- parse Pod into a simple parse tree

=head1 SYNOPSIS

```
% cat ptest.pod
```

=head1 PIE

```
I like B<pie>!
```

```
% perl -MPod::Simple::SimpleTree -MData::Dumper -e \  
"print Dumper(Pod::Simple::SimpleTree->new->parse_file(shift)->root)" \  
\
```

ptest.pod

```
$VAR1 = [  
  'Document',  
  { 'start_line' => 1 },  
  [  
    'head1',  
    { 'start_line' => 1 },  
    'PIE'  
  ],  
  [  
    'Para',  
    { 'start_line' => 3 },  
    'I like ',  
    [  
      'B',  
      {},  
      'pie'  
    ],  
    '!'  
  ]  
];
```

=head1 DESCRIPTION

This class is of interest to people writing a Pod processor/formatter.

This class takes Pod and parses it, returning a parse tree made just of arrayrefs, and hashrefs, and strings.

This is a subclass
of L<Pod::Simple> and inherits all its methods.

This class is inspired by XML::Parser's "Tree" parsing-style, although it doesn't use exactly the same LoL format.

=head1 METHODS

At the end of the parse, call C<< \$parser->root >> to get the tree's top node.

=head1 Tree Contents

Every element node in the parse tree is represented by an arrayref of the form: C<[I<elementname>, \%attributes, I<...subnodes...>]>. See the example tree dump in the Synopsis, above.

Every text node in the tree is represented by a simple (non-ref)

string scalar. So you can test `C<ref($node)>` to see whether you have an element node or just a text node.

The top node in the tree is `C<['Document', \%attributes, I<...subnodes...>]>`

=head1 SEE ALSO

L<Pod::Simple>

L<perllol>

L<The "Tree" subsection in XML::Parser|XML::Parser/"Tree">

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the `pod-people@perl.org` mail list. Send an empty email to `pod-people-subscribe@perl.org` to subscribe.

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=back

=cut

Found in path(s):

*

/opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/SimpleTree.pm

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=head1 NAME

Pod::Simple::TextContent -- get the text content of Pod

=head1 SYNOPSIS

TODO

```
perl -MPod::Simple::TextContent -e \  
"exit Pod::Simple::TextContent->filter(shift)->any_errata_seen" \  
thingy.pod
```

=head1 DESCRIPTION

This class is that parses Pod and dumps just the text content. It is mainly meant for use by the Pod::Simple test suite, but you may find some other use for it.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Text>, L<Pod::Spell>

=head1 SUPPORT

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Patches

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archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
3.35/lib/Pod/Simple/TextContent.pm

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=head1 NAME

Pod::Simple::RTF -- format Pod as RTF

=head1 SYNOPSIS

```
perl -MPod::Simple::RTF -e \  
"exit Pod::Simple::RTF->filter(shift)->any_errata_seen" \  
thingy.pod > thingy.rtf
```

=head1 DESCRIPTION

This class is a formatter that takes Pod and renders it as RTF, good for viewing/printing in MSWord, WordPad/write.exe, TextEdit, etc.

This is a subclass of L<Pod::Simple> and inherits all its methods.

=head1 FORMAT CONTROL ATTRIBUTES

You can set these attributes on the parser object before you call C<parse_file> (or a similar method) on it:

=over

```
=item $parser->head1_halfpoint_size( I<halfpoint_integer> );
```

```
=item $parser->head2_halfpoint_size( I<halfpoint_integer> );
```

```
=item $parser->head3_halfpoint_size( I<halfpoint_integer> );
```

```
=item $parser->head4_halfpoint_size( I<halfpoint_integer> );
```

These methods set the size (in half-points, like 52 for 26-point) that these heading levels will appear as.

```
=item $parser->codeblock_halfpoint_size(  
I<halfpoint_integer> );
```

This method sets the size (in half-points, like 21 for 10.5-point) that codeblocks ("verbatim sections") will appear as.

```
=item $parser->header_halfpoint_size( I<halfpoint_integer> );
```

This method sets the size (in half-points, like 15 for 7.5-point) that the header on each page will appear in. The header is usually just "I<modulename> p. I<pagenumber>".

```
=item $parser->normal_halfpoint_size( I<halfpoint_integer> );
```

This method sets the size (in half-points, like 26 for 13-point) that normal paragraphic text will appear in.

=item \$parser->no_proofing_exemptions(I<true_or_false>);

Set this value to true if you don't want the formatter to try putting a hidden code on all Perl symbols (as best as it can notice them) that labels them as being not in English, and so not worth spellchecking.

=item \$parser->doc_lang(I<microsoft_decimal_language_code>)

This sets the language code to tag this document as being in. By default, it is currently the value of the environment variable C<RTFDEFLANG>, or if that's not set, then the value 1033 (for US English).

Setting this appropriately is useful if you want to use the RTF to spellcheck, and/or if you want it to hyphenate right.

Here are some notable values:

- 1033 US English
- 2057 UK English
- 3081 Australia English
- 4105 Canada English
- 1034 Spain Spanish
- 2058 Mexico Spanish
- 1031 Germany German
- 1036 France French
- 3084 Canada French
- 1035 Finnish
- 1044 Norwegian (Bokmal)
- 2068 Norwegian (Nynorsk)

=back

If you are particularly interested in customizing this module's output even more, see the source and/or write to me.

=head1 SEE ALSO

L<Pod::Simple>, L<RTF::Writer>, L<RTF::Cookbook>, L<RTF::Document>, L<RTF::Generator>

=head1 SUPPORT

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archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-
3.35/lib/Pod/Simple/RTF.pm

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/perl-Pod-Simple.spec

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=head1 NAME

Pod::Simple::Methody -- turn Pod::Simple events into method calls

=head1 SYNOPSIS

```
require 5;
use strict;
package SomePodFormatter;
use base qw(Pod::Simple::Methody);
```

```
sub handle_text {
    my($self, $text) = @_;
    ...
}
```

```
sub start_head1 {
    my($self, $attrs) = @_;
    ...
}
```

```
sub end_head1 {
    my($self) = @_;
    ...
}
```

...and start_/end_ methods for whatever other events you want to catch.

=head1 DESCRIPTION

This class is of interest to people writing Pod formatters based on Pod::Simple.

This class (which is very small -- read the source) overrides Pod::Simple's `_handle_element_start`, `_handle_text`, and `_handle_element_end` methods so that parser events are turned into method calls. (Otherwise, this is a subclass of L<Pod::Simple> and inherits all its methods.)

You can use this class as the base class for a Pod formatter/processor.

=head1 METHOD CALLING

When Pod::Simple sees a "=head1 Hi there",

for example, it basically does
this:

```
$parser->_handle_element_start( "head1", \%attributes );  
$parser->_handle_text( "Hi there" );  
$parser->_handle_element_end( "head1" );
```

But if you subclass Pod::Simple::Methody, it will instead do this
when it sees a "=head1 Hi there":

```
$parser->start_head1( \%attributes ) if $parser->can('start_head1');  
$parser->handle_text( "Hi there" ) if $parser->can('handle_text');  
$parser->end_head1() if $parser->can('end_head1');
```

If Pod::Simple sends an event where the element name has a dash,
period, or colon, the corresponding method name will have an underscore
in its place. For example, "foo.bar:baz" becomes start_foo_bar_baz
and end_foo_bar_baz.

See the source for Pod::Simple::Text for an example of using this class.

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::Subclassing>

=head1 SUPPORT

Questions or discussion about POD and Pod::Simple should be sent to the
pod-people@perl.org mail list. Send an empty email
to
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=head1 AUTHOR

Pod::Simple was created by Sean M. Burke <sburke@cpan.org>.
But don't bother him, he's retired.

Pod::Simple is maintained by:

=over

=item * Allison Randal C<allison@perl.org>

=item * Hans Dieter Pearcey C<hdp@cpan.org>

=item * David E. Wheeler C<dwheeler@cpan.org>

=back

=cut

Found

in path(s):

* /opt/ws_local/PERMITS_SQL/1009548100_1591379813.5/0/perl-Pod-Simple-3.35-395.el8.src.rpm-cosi-expand-archive-dyJZxwBE/Pod-Simple-3.35.tar.gz-cosi-expand-archive-HgAXY2Rt/Pod-Simple-3.35/lib/Pod/Simple/Methody.pm

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=head1 NAME

Pod::Simple::PullParserEndToken -- end-tokens from Pod::Simple::PullParser

=head1 SYNOPSIS

(See L<Pod::Simple::PullParser>)

=head1 DESCRIPTION

When you do `$parser->get_token` on a L<Pod::Simple::PullParser>, you might get an object of this class.

This is a subclass of L<Pod::Simple::PullParserToken> and inherits all its methods, and adds these methods:

=over

=item `$token->tagname`

This returns the tagname for this end-token object.
For example, parsing a "=head1 ..." line will give you
a start-token with the tagname of "head1", token(s) for its
content, and then an end-token with the tagname of "head1".

```
=item $token->tagname(I<somestring>)
```

This changes the tagname for this end-token object.
You probably won't need to do this.

```
=item $token->tag(...)
```

A shortcut for `$token->tagname(...)`

```
=item $token->is_tag(I<somestring>) or $token->is_tagname(I<somestring>)
```

These are shortcuts for `C<< $token->tag()`
`eq I<somestring> >>`

```
=back
```

You're unlikely to ever need to construct an object of this class for
yourself, but if you want to, call

```
C<<  
Pod::Simple::PullParserEndToken->new( I<tagname> )  
>>
```

```
=head1 SEE ALSO
```

L<Pod::Simple::PullParserToken>, L<Pod::Simple>, L<Pod::Simple::Subclassing>

```
=head1 SUPPORT
```

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```
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```

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=head1 NAME

Pod::Simple::Debug -- put Pod::Simple into trace/debug mode

=head1 SYNOPSIS

use Pod::Simple::Debug (5); # or some integer

Or:

```
my $debuglevel;
use Pod::Simple::Debug (\\$debuglevel, 0);
...some stuff that uses Pod::Simple to do stuff, but which
you don't want debug output from...
```

```
$debug_level = 4;
...some stuff that uses Pod::Simple to do stuff, but which
you DO want debug output from...
```

```
$debug_level = 0;
```

```
=head1 DESCRIPTION
```

This is an internal module for controlling the debug level (a.k.a. trace level) of Pod::Simple. This is of interest only to Pod::Simple developers.

```
=head1 CAVEATS
```

Note that you should load this module I<before> loading Pod::Simple (or any Pod::Simple-based class). If you try loading Pod::Simple::Debug after &Pod::Simple::DEBUG is already defined, Pod::Simple::Debug will throw a fatal error to the effect that "It's too late to call Pod::Simple::Debug".

Note that the C<use Pod::Simple::Debug (\\$x, I<somenum>)> mode will make Pod::Simple (et al) run rather slower, since &Pod::Simple::DEBUG won't be a constant sub anymore, and so Pod::Simple (et al) won't compile with constant-folding.

```
=head1 GUTS
```

Doing this:

```
use Pod::Simple::Debug (5); # or some integer
```

is basically equivalent to:

```
BEGIN { sub Pod::Simple::DEBUG () {5} } # or some integer
use Pod::Simple ();
```

And this:

```
use Pod::Simple::Debug (\$debug_level,0); # or some integer
```

is basically equivalent to this:

```
my $debug_level;
BEGIN { $debug_level = 0 }
BEGIN { sub Pod::Simple::DEBUG () { $debug_level }
```

use Pod::Simple ();

=head1 SEE ALSO

L<Pod::Simple>

The article "Constants in Perl", in I<The Perl Journal> issue 21. See L<<http://interglacial.com/tpj/21/>>

=head1 SUPPORT

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=head1 Pod::Simple version 3.33

Pod::Simple is a Perl library for parsing text in the Pod ("plain old documentation") markup language that is typically used for writing documentation for Perl and for Perl modules. The Pod format is explained L<perlpod>; the most common formatter is called C<perldoc>.

Pod formatters can use Pod::Simple to parse Pod documents and render them into plain text, HTML, or any number of other formats.

=head2 Installation

To install this module, type the following:

```
perl Makefile.PL
make
make test
make install
```

=head2 Support

Questions or discussion about POD and Pod::Simple should be sent to the pod-people@perl.org mail list. Send an empty email to pod-people-subscribe@perl.org to subscribe.

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=item * Marc Green C<marcgreen@cpan.org>

=back

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=head1 NAME

Pod::Simple::HTML - convert Pod to HTML

=head1 SYNOPSIS

```
perl -MPod::Simple::HTML -e Pod::Simple::HTML::go thingy.pod
```

=head1 DESCRIPTION

This class is for making an HTML rendering of a Pod document.

This is a subclass of L<Pod::Simple::PullParser> and inherits all its methods (and options).

Note that if you want to do a batch conversion of a lot of Pod documents to HTML, you should see the module L<Pod::Simple::HTMLBatch>.

=head1 CALLING FROM THE COMMAND LINE

TODO

```
perl -MPod::Simple::HTML -e Pod::Simple::HTML::go Thing.pod Thing.html
```

=head1 CALLING FROM PERL

=head2 Minimal code

```
use Pod::Simple::HTML;
my $p = Pod::Simple::HTML->new;
$p->output_string(\my $html);
$p->parse_file('path/to/Module/Name.pm');
open my $out, '>', 'out.html' or die "Cannot open 'out.html': $!\n";
print $out $html;
```

=head2 More detailed example

```
use Pod::Simple::HTML;
```

Set the content type:

```
$Pod::Simple::HTML::Content_decl
= q{<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" >};
```

```
my $p = Pod::Simple::HTML->new;
```

Include a single javascript source:

```
$p->html_javascript('http://abc.com/a.js');
```

Or insert multiple javascript source in the header
(or for that matter include anything, though this is not recommended)

```
$p->html_javascript('
  <script type="text/javascript" src="http://abc.com/b.js"></script>
  <script type="text/javascript" src="http://abc.com/c.js"></script>');
```

Include a single css source in the header:

```
$p->html_css('/style.css');
```

or insert multiple css sources:

```
$p->html_css('
  <link rel="stylesheet" type="text/css" title="pod_stylesheet" href="http://remote.server.com/jquery.css">
  <link rel="stylesheet" type="text/css" title="pod_stylesheet" href="/style.css">');
```

Tell the parser where should the output go. In this case it will be placed in the \$html variable:

```
my $html;
$p->output_string(\$html);
```

Parse and
process a file with pod in it:

```
$p->parse_file('path/to/Module/Name.pm');
```

=head1 METHODS

TODO
all (most?) accessorized methods

The following variables need to be set **B** before the call to the `->new` constructor.

Set the string that is included before the opening `<html>` tag:

```
$Pod::Simple::HTML::Doctype_decl = qq{<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">\n};
```

Set the content-type in the HTML head: (defaults to ISO-8859-1)

```
$Pod::Simple::HTML::Content_decl = q{<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"
>};
```

Set the value that will be embedded in the opening tags of F, C tags and verbatim text.

F maps to , C maps to <code>, Verbatim text maps to <pre> (Computerese defaults to "")

```
$Pod::Simple::HTML::Computerese = ' class="some_class_name";
```

```
=head2 html_css
```

```
=head2 html_javascript
```

```
=head2 title_prefix
```

```
=head2 title_postfix
```

```
=head2 html_header_before_title
```

This includes everything before the <title> opening tag including the Document type and including the opening <title> tag. The following call will set it to be a simple HTML file:

```
$p->html_header_before_title('<html><head><title>');
```

```
=head2 top_anchor
```

By default Pod::Simple::HTML adds a dummy anchor at the top of the HTML. You can change it by calling

```
$p->top_anchor('<a name="zz" >');
```

```
=head2 html_h_level
```

Normally =head1 will become <h1>, =head2 will become <h2> etc. Using the html_h_level method will change these levels setting the h level of =head1 tags:

```
$p->html_h_level(3);
```

Will make sure that =head1 will become <h3> and =head2 will become <h4> etc...

```
=head2 index
```

Set it to some true value if you want to have an index (in reality a table of contents) to be added at the top of the generated HTML.

```
$p->index(1);
```

```
=head2 html_header_after_title
```

Includes the closing tag of </title> and through the rest of the head till the opening of the body

```
$p->html_header_after_title('</title>...</head><body  
id="my_id">');
```

```
=head2 html_footer
```

The very end of the document:

```
$p->html_footer( qq[\n<!-- end doc -->\n\n</body></html>\n] );
```

```
=head1 SUBCLASSING
```

Can use any of the methods described above but for further customization one needs to override some of the methods:

```
package My::Pod;  
use strict;  
use warnings;
```

```
use base 'Pod::Simple::HTML';
```

```
# needs to return a URL string such
```

```
# http://some.other.com/page.html
```

```
# #anchor_in_the_same_file
```

```
# /internal/ref.html
```

```
sub do_pod_link {
```

```
    # My::Pod object and Pod::Simple::PullParserStartToken object
```

```
    my ($self, $link) = @_;
```

```
    say $link->tagname;      # will be L for links
```

```
    say $link->attr('to');   #
```

```
    say $link->attr('type'); # will be 'pod' always
```

```
    say $link->attr('section');
```

```
# Links local to our web site
```

```
if ($link->tagname eq 'L' and $link->attr('type') eq 'pod') {
```

```
    my $to = $link->attr('to');
```

```
    if ($to =~ /^Padre::/) {
```

```
        $to =~ s{::}{/}g;
```

```
        return "/docs/Padre/$to.html";
```

```
    }
```

```
}
```

```
# all other links are generated by the parent class
```

```
my $ret = $self->SUPER::do_pod_link($link);
```

```
return $ret;
```

```
}
```

```
1;
```

Meanwhile in script.pl:

```
use My::Pod;

my $p = My::Pod->new;

my $html;
$p->output_string(\$html);
$p->parse_file('path/to/Module/Name.pm');
open my $out, '>', 'out.html' or die;
print $out $html;
```

TODO

maybe override do_beginning do_end

=head1 SEE ALSO

L<Pod::Simple>, L<Pod::Simple::HTMLBatch>

TODO: a corpus of sample Pod input and HTML output? Or common idioms?

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If the program is interactive, make it output a short notice like this
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```
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This is free software, and you are welcome to redistribute it
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```

The hypothetical commands `show w' and `show c' should show the
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commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter
the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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1.69 kerberos 1.18

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cmd/krb5/iproplib/iproplib.x
cmd/krb5/iproplib/iproplib_hdr.h
cmd/krb5/kadmin/server/iproplib_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
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lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
```

lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c

lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/ipropr_hdr.h
kadmin/server/iproprd_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.71 librest 0.8.1-2.el8

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That's all there is to it!

1.72 at-spi2-core 2.28.0-1.el8

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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A "library" means a collection of software functions and/or data

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"Source code" for a work means the preferred form of the work for
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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection

2d requires that any

application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros

and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.74 Icms 2.9-2.e18

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1.75 zstd 1.4.4-1.el8

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```

*

/opt/ws_local/PERMITS_SQL/1073861495_1595472521.84/0/mybatis-spring-boot-autoconfigure-2-1-3-sources-jar/org/mybatis/spring/boot/autoconfigure/SpringBootVFS.java

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1.79 ognl 3.2.14

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- * /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTNotEq.java
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- * /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/IteratorElementsAccessor.java
- * /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ArrayElementsAccessor.java
- * /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTTest.java
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- /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/MethodAccessor.java
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jar/ognl/DynamicSubscript.java
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jar/ognl/ElementsAccessor.java
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*
/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTOr.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTBitAnd.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTNotIn.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/IntHashMap.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTLessEq.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTAnd.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ExpressionNode.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ObjectElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTSelectFirst.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/OgnlException.java
*
/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/EnumerationElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ClassResolver.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTSubtract.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/NoSuchPropertyException.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTSequence.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/CollectionElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTSelectLast.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-

```

```
jar/ognl/DefaultTypeConverter.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/MemberAccess.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTAdd.java
*
/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/IteratorEnumeration.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTNot.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ASTUnsignedShiftRight.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ObjectArrayPool.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTShiftRight.java
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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/OgnlInvokePermission.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/enhance/EnhancedClassLoader.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/enhance/ContextClassLoader.java
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```

```
/**
* Thrown during bytecode enhancement conversions of ognl expressions to indicate
* that a certain expression isn't currently supported as a pure java bytecode enhanced
* version.
*
* <p>
* If this exception is thrown it is expected that ognl will fall back to default ognl
* evaluation of the expression.
* </p>
*
* @author jkuhnert
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
```

jar/ognl/enhance/UnsupportedCompilationException.java

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```
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTProperty.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ObjectPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTMap.java
*
/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ObjectMethodAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/OgnlContext.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTChain.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/Ognl.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTThisVarRef.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ASTStaticMethod.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTProject.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/OgnlRuntime.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/OgnlOps.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTStaticField.java
*
/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTVarRef.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/SimpleNode.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTRootVarRef.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ListPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/MapPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTCtor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/PropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTConst.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTSelect.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-
jar/ognl/ArrayPropertyAccessor.java
*
```

/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTList.java
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTEval.java
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*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-  
jar/ognl/AccessibleObjectHandlerPreJDK9.java  
*  
/opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-  
jar/ognl/AccessibleObjectHandlerJDK9Plus.java  
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-  
jar/ognl/AccessibleObjectHandler.java
```

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1073861430_1595472517.38/0/ognl-3-2-14-sources-jar/ognl/ASTMethod.java
```

1.80 fribidi 1.0.4-8.el8

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

* <http://www.hypermall.com/>

* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

* interrupts us (except possibly for removal/insertion of the cable?)

* 10/4/97 - began heavy inline documentation of the code. Corrected typos

* and spelling mistakes.

* 10/5/97 - added code to handle PHY interrupts, disable PHY on

* loss of link, and correctly re-enable PHY when link is

* re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

* Linux driver for the IDT77201 NICStAR PCI ATM controller.

* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

* see init_nicstar() for PHY initialization to change this. This driver

* expects the Linux ATM stack to support scatter-gather

lists

* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

*

* Implementing minimal-copy of received data:

* IDT always receives data into a small buffer, then large buffers

* as needed. This means that data must always be copied to create

* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

* Fix is simple: make large buffers large enough to hold entire

* SDU, and leave <small_buffer_data> bytes empty at the start. Then

* copy small buffer contents to head of large buffer.

* Trick is to avoid fragmenting Linux, due to need for a lot of large

* buffers. This is done by 2 things:

* 1) skb->destructor / skb->atm.recycle_buffer

* combined, allow nicstar_free_rx_skb to be called to

* recycle large data buffers

* 2) skb_clone of received buffers

* See nicstar_free_rx_skb and linearize_buffer for implementation

* details.

*

*

*

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*

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*

* M. Welsh, 6 July 1996

*

*

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1.83 libxext 1.3.4-1.el8

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1.84 libxi 1.7.10-1.el8

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```
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```

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show the appropriate
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necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
```

```
Ty Coon, President of Vice
```

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Public License instead of this License.

1.86 wget 1.19.5-10.el8

1.86.1 Available under license :

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Version 3, 29 June 2007

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```
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```
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1.88 jackson-annotations 2.11.3

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1.89 zstd 1.4.3

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```
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute  
it  
under certain conditions; type `show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```

Ty Coon, President of Vice

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1.90 flyway-core 6.4.4

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Found in path(s):

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/META-INF/maven/org.flywaydb/flyway-core/pom.xml

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*/

Found in path(s):

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resource/filesystem/package-info.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/oracle/OracleDatabase.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/util/TimeFormat.java

*

/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resolver/CompositeMigrationResolver.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdDatabase.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLParser.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/jdbc/CockroachRetryingTransactionalExecutionTemplate.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sqlite/SQLiteParser.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/oracle/OracleParser.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/base/Database.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/h2/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/FileCopyUtils.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/derby/DerbyDatabase.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/sqlscript/SqlScriptExecutor.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/clazz/ClassProvider.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/license/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/package-info.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/jdbc/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/command/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/ExceptionUtils.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/cockroachdb/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBDatabase.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/schemahistory/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/scanner/filesystem/FileSystemScanner.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/derby/DerbySchema.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/schemahistory/SchemaHistory.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/sqlscript/SqlStatement.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sybasease/SybaseASEConnection.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-

```

jar/org/flywaydb/core/internal/scanner/android/AndroidScanner.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resource/android/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/hsqldb/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/classpath/UrlResolver.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/migration/BaseJavaMigration.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/redshift/RedshiftDatabase.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/db2/DB2Table.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/saphana/SAPHANASchema.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/util/StopWatch.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/InfoOutputProvider.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/classpath/DefaultUrlResolver.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/jdbc/RowMapper.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/license/FlywayEditionUpgradeRequiredException.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/PlaceholderReplacingReader.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/sqlscript/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/ParsingContext.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resource/LoadableResource.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/sqlserver/SQLServerTable.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/command/DbSchemas.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/license/VersionPrinter.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/util/StringUtils.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/saphana/SAPHANADatabase.java

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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/scanner/classpath/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/derby/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/scanner/classpath/ClassPathLocationScanner.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sybasease/SybaseASETTable.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/BomFilter.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/jdbc/TransactionalExecutionTemplate.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/base/SchemaObject.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/schemahistory/JdbcTableSchemaHistory.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/informix/InformixConnection.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/CloseableIterator.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/oracle/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-

jar/org/flywaydb/core/internal/jdbc/ExecutionTemplate.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/executor/Context.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/migration/JavaMigration.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/Scanner.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/configuration/ConfigUtils.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resolver/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/redshift/RedshiftConnection.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/android/AndroidLogCreator.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/h2/H2Schema.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/classpath/JarFileClassPathLocationScanner.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/PeekingReader.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/ResourceNameCache.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/command/DbClean.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/firebird/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/PositionTrackingReader.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/MigrationInfoService.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeSchema.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeConnection.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/classpath/FileSystemClassPathLocationScanner.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/classpath/jboss/JBossVFSv2UrlResolver.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/h2/H2Database.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/Statement.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/android/ContextHolder.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 *
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resource/ResourceProvider.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/ErrorCode.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/oracle/OracleResults.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/info/MigrationInfoContext.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/scanner/LocationScannerCache.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/oracle/OracleSqlScriptExecutor.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/callback/CallbackExecutor.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBSchema.java
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/sqlscript/SqlScriptMetadata.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/redshift/RedshiftSchema.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/parser/StatementType.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/sqlscript/DefaultSqlScriptExecutor.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-

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jar/org/flywaydb/core/internal/resource/ResourceNameValidator.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleConnection.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/slf4j/Slf4jLogCreator.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/ParserContext.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/hsqldb/HSQldbParser.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resolver/java/JavaMigrationExecutor.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resource/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/license/Edition.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/scanner/classpath/jboss/JBossVFSv3ClassPathLocationScanner.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/callback/Statement.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBDatabase.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/apachecommons/ApacheCommonsLog.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/sqlscript/SqlStatementIterator.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/slf4j/Slf4jLog.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBRetryingStrategy.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/callback/Error.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/RecordingReader.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/migration/Context.java

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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBConnection.java

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/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/FlywayException.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/base/package-info.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/logging/javautil/JavaUtilLog.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/logging/slf4j/package-info.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/db2/DB2Database.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/package-info.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/command/DbRepair.java

*

/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdParser.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/parser/Parser.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/jdbc/PlainExecutionTemplate.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/info/MigrationInfoDumper.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resource/ResourceName.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLDatabase.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/base/Type.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/base/Table.java

*

/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/configuration/FluentConfiguration.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/util/Locations.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBSchema.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/package-info.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resolver/MigrationInfoHelper.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/informix/InformixSchema.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-

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jar/org/flywaydb/core/api/logging/Log.java
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/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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jar/org/flywaydb/core/internal/sqlscript/ParsedSqlStatement.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/android/AndroidLog.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/sqlscript/SqlScriptFactory.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/license/FlywayProUpgradeRequiredException.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/snowflake/SnowflakeDatabase.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/configuration/Configuration.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/MigrationInfo.java

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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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*
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
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* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/informix/InformixTable.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/MigrationState.java
*

```

/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/MigrationType.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/snowflake/SnowflakeTable.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/callback/Warning.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/Flyway.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sqlserver/SQLServerSchema.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/logging/javautil/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resolver/ChecksumCalculator.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resolver/sql/SqlMigrationExecutor.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/callback/NoopCallback.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/BomStrippingReader.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/callback/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resolver/java/ResolvedJavaMigration.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/logging/javautil/JavaUtilLogCreator.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/output/ErrorOutput.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBTable.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/saphana/SAPHANAConnection.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/clazz/NoopClassProvider.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/redshift/RedshiftType.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sqlserver/SQLServerConnection.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/redshift/RedshiftParser.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/oracle/OracleSchema.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLAdvisoryLockTemplate.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/configuration/ConfigurationValidator.java

- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/callback/package-info.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resolver/ResolvedMigrationImpl.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/logging/apachecommons/ApacheCommonsLogCreator.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/db2/DB2Type.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/util/UrlUtils.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/logging/LogCreator.java
- *
- /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/db2/DB2Schema.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/jdbc/DriverDataSource.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteSchema.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/jdbc/TableLockingExecutionTemplate.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/command/DbInfo.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resolver/ResolvedMigrationComparator.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLDatabase.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/jdbc/JdbcUtils.java
- *
- /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/output/MigrationOutput.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/h2/H2Parser.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/logging/package-info.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/callback/Callback.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resource/android/AndroidResource.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/scanner/package-info.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/MigrationVersion.java
- * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/derby/DerbyTable.java
- *

/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/scanner/classpath/JarUtils.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resolver/java/ScanningJavaMigrationResolver.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/snowflake/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/redshift/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/jdbc/Result.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteConnection.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/info/MigrationInfoImpl.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/informix/InformixParser.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/command/DbValidate.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLSchema.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/firebird/FirebirdSchema.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/sqlite/SQLiteTable.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/callback/BaseCallback.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/sqlserver/SQLServerDatabase.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/mysql/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/resolver/sql/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/saphana/SAPHANAParser.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/output/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/derby/DerbyParser.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/schemahistory/SchemaHistoryFactory.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/sqlscript/FlywaySqlScriptException.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/internal/database/saphana/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-

jar/org/flywaydb/core/internal/resolver/sql/SqlMigrationResolver.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/DatabaseFactory.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/redshift/RedshiftTable.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/DefaultExecutionStrategy.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resource/NoopResourceProvider.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/parser/TokenType.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/db2/DB2Function.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/h2/H2Connection.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resource/classpath/ClassPathResource.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/parser/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/resolver/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLCopyParsedStatement.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/clazz/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/scanner/classpath/OsgiClassPathLocationScanner.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/firebird/FirebirdTable.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/scanner/classpath/ResourceAndClassScanner.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sybasease/SybaseASEDatabase.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/parser/Token.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/jdbc/JdbcTemplate.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/postgresql/PostgreSQLTable.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/android/package-info.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/info/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/resolver/ChecksumMatcher.java

* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/resolver/MigrationResolver.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/configuration/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resolver/java/FixedJavaMigrationResolver.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/jdbc/ExecutionTemplateFactory.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/executor/MigrationExecutor.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/sqlscript/Delimiter.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/Location.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/jdbc/JdbcConnectionFactory.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resource/ResourceType.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/callback/Context.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/configuration/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sybasease/SybaseASEParser.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/package-info.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/sqlscript/ParserSqlScript.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/callback/SimpleContext.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/api/resolver/Context.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/resource/classpath/package-info.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/util/AbbreviationUtils.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/exception/FlywayDbUpgradeRequiredException.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/snowflake/SnowflakeParser.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-jar/org/flywaydb/core/api/package-
 info.java
 *
 /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
 jar/org/flywaydb/core/internal/database/sqlite/SQLiteDatabase.java
 * /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-

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jar/org/flywaydb/core/internal/scanner/classpath/ClassPathScanner.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/util/IOUtils.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/api/callback/Event.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/sybasease/SybaseASESchema.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resource/StringResource.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resource/ResourceNameParser.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/output/InfoOutput.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/util/ClassUtils.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/hsqldb/HSQLDBTable.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/parser/PositionTracker.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/logging/apachecommons/package-info.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/util/Pair.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/resource/filesystem/FileSystemResource.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/exception/FlywaySqlException.java
*
/opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/sqlserver/SQLServerApplicationLockTemplate.java
* /opt/cola/permits/1100808595_1602883955.19/0/flyway-core-6-4-4-sources-
jar/org/flywaydb/core/internal/database/sybasease/package-info.java

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1.91 pagehelper-spring-boot-starter 1.3.0

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1.92 pagehelper 5.2.0

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```
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* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
jar/com/github/pagehelper/QueryInterceptor.java
```

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/PageSerializable.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/Constant.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/helper/HerdDBDialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/ReplaceSql.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/helper/Oracle9iDialect.java
 *
 /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/util/PageObjectUtil.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/helper/OracleDialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/IPage.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/parser/CountSqlParser.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/AbstractDialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/rowbounds/Db2RowBoundsDialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/ISelect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/rowbounds/SqlServer2012RowBoundsDialect.java
 *
 /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/util/MetaObjectUtil.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/rowbounds/SqlServerRowBoundsDialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/PageException.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/util/StringUtil.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/parser/SqlServerParser.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/Dialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/helper/Db2Dialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/PageRowBounds.java
 *
 /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/rowbounds/MySQLRowBoundsDialect.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/PageInfo.java
 * /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
 jar/com/github/pagehelper/dialect/AbstractHelperDialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/parser/OrderByParser.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/util/MSUtils.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/rowbounds/HerdDBRowBoundsDialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/cache/Cache.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/cache/SimpleCache.java

*

/opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/util/ExecutorUtil.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/page/PageParams.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/helper/HsqldbDialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/PageInterceptor.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/rowbounds/HsqldbRowBoundsDialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/rowbounds/OracleRowBoundsDialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/cache/GuavaCache.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/helper/SqlServerDialect.java

*

/opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/cache/CacheFactory.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/rowbounds/InformixRowBoundsDialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/page/PageMethod.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/replace/SimpleWithNolockReplaceSql.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/replace/RegexWithNolockReplaceSql.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/helper/SqlServer2012Dialect.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/dialect/AbstractRowBoundsDialect.java

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/opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/PageHelper.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/com/github/pagehelper/util/MetaObjectWithReflectCache.java

* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-


```
jar/com/github/pagehelper/page/PageAutoDialect.java
* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
jar/com/github/pagehelper/dialect/helper/InformixDialect.java
* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-
jar/com/github/pagehelper/dialect/helper/MySQLDialect.java
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```
* /opt/cola/permits/1102598740_1603815022.7/0/pagehelper-5-2-0-sources-jar/META-
INF/maven/com.github.pagehelper/pagehelper/pom.xml
```

1.93 jsqlparser 3.2

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1.94 pagehelper-spring-boot-autoconfigure

1.3.0

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```
* /opt/cola/permits/1102598747_1603815018.19/0/pagehelper-spring-boot-autoconfigure-1-3-0-sources-
jar/com/github/pagehelper/autoconfigure/PageHelperAutoConfiguration.java
* /opt/cola/permits/1102598747_1603815018.19/0/pagehelper-spring-boot-autoconfigure-1-3-0-sources-
jar/com/github/pagehelper/autoconfigure/PageHelperProperties.java
```

1.95 jackson-datatype-jsr310 2.11.3

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1.96 jackson-module-parameter-names 2.11.3

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1.97 jackson-datatype-jdk8 2.11.3

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

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org.apache.tomcat.util.json.JSONParser.jj

is a public domain javacc grammar

for JSON written by Robert Fischer.

<https://github.com/RobertFischer/json-parser>

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- jsp_2_3.xsd
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- javaee_web_services_client_1_2.xsd
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- web-common_3_0.xsd
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- web-common_3_1.xsd
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1.101 bzip2 1.0.6-26.el8

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1.102 acl 2.2.53-1.el8

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jar/com/google/common/primitives/UnsignedInteger.java  
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-  
jar/com/google/common/hash/Hasher.java
```


*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Absent.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/math/BigIntegerMath.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/HashFunction.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/FutureCallback.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/Cache.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Enums.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/reflect/TypeParameter.java
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jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
*
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/cache/RemovalNotification.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/math/DoubleUtils.java

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 jar/com/google/common/hash/Murmur3_128HashFunction.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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 *
 /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
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 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/primitives/UnsignedLong.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/util/concurrent/ForwardingExecutorService.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/math/package-info.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/util/concurrent/Uninterruptibles.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/util/concurrent/AbstractScheduledService.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/cache/CacheStats.java
 *
 /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/collect/BoundType.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/hash/AbstractCompositeHashFunction.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/cache/AbstractLoadingCache.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/net/HttpHeaders.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/primitives/ParseRequest.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/cache/Weigher.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/hash/AbstractStreamingHasher.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/net/HostAndPort.java
 *
 /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/util/concurrent/AsyncFunction.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
 jar/com/google/common/cache/CacheLoader.java
 * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ExecutionError.java

*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/Funnels.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/DiscreteDomain.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/SingletonImmutableList.java
*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableSetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractIndexedListAdapter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/util/concurrent/ListenerCallQueue.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/math/Quantiles.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/eventbus/Subscriber.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/eventbus/Dispatcher.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/eventbus/SubscriberRegistry.java

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info.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/util/concurrent/ListeningExecutorService.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/annotations/Beta.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/collect/ContiguousSet.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/base/Strings.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/util/concurrent/Monitor.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/util/concurrent/Atomics.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/primitives/package-info.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

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jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Ascii.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/annotations/package-info.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/FinalizableWeakReference.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/Resources.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/package-
info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/Objects.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/Functions.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/eventbus/EventBus.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/Files.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Preconditions.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Function.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/CountingOutputStream.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Predicate.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Interners.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/LineBuffer.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/AbstractIterator.java
*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Defaults.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ListenableFuture.java
*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/Flushables.java

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jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/eventbus/SubscriberExceptionHandler.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/Verify.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractTable.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/WellBehavedMap.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/InterruptibleTask.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/AggregateFutureState.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/LittleEndianByteArray.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/CombinedFuture.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/AsyncCallable.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/Platform.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/FarmHashFingerprint64.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/ReaderInputStream.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ForwardingFuture.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RegularImmutableTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Splitter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/escape/Escapers.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/net/InternetDomainName.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/collect/SparseImmutableTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/Platform.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/JdkFutureAdapters.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/DenseImmutableTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/html/HtmlEscapers.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/cache/CacheBuilder.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/LineProcessor.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingListMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/RowSortedTable.java
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/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/MinMaxPriorityQueue.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractSequentialIterator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/UnmodifiableListIterator.java
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jar/com/google/common/collect/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingSetMultimap.java
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jar/com/google/common/collect/ForwardingImmutableCollection.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/JdkBackedImmutableMap.java

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/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/BaseImmutableMultimap.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/AbstractBaseGraph.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/BaseGraph.java

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jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/AbstractTransformFuture.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/annotations/VisibleForTesting.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
*

```
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/AggregateFuture.java
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```
*/
```

```
/**
```

```
 * Returns an array containing all of the elements in the specified collection. This method
```

```
 * returns the elements in the order they are returned by the collection's iterator. The returned
```

```
 * array is "safe" in that no references to it are maintained by the collection. The caller is
```

```
 * thus free to modify the returned
```

```
array.
```

```
*
```

```
 * <p>This method assumes that the collection size doesn't change while the method is running.
```

```
*
```

```
 * <p>TODO(kevinb): support concurrently modified collections?
```

```
*
```

```
 * @param c the collection for which to return an array of elements
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ObjectArrays.java
```

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Count.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/GraphConnections.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/EndpointPairIterator.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/AbstractGraph.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/MapRetrievalCache.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/GraphConstants.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/ElementOrder.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/MapIteratorCache.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/ValueGraphBuilder.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/LinkedHashMapGwtSerializationDependencies.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/ConfigurableMutableNetwork.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/DirectedMultiNetworkConnections.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Comparators.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/EndpointPair.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/EdgesConnecting.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/MutableValueGraph.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/AbstractValueGraph.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/ConfigurableMutableGraph.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/NetworkConnections.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

```

jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/CollectCollectors.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ConfigurableValueGraph.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ConfigurableNetwork.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/AbstractNetwork.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ConfigurableMutableValueGraph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/MoreCollectors.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/MultiEdgesConnecting.java

```

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/graph/GraphBuilder.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ListenableFutureTask.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Longs.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/AbstractCheckedFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/thirdparty/publicsuffix/TrieParser.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/CheckedFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/MultiReader.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/base/Joiner.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/hash/LongAdder.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/cache/LongAdder.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/util/concurrent/AtomicDoubleArray.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/hash/Striped64.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/cache/Striped64.java

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jar/com/google/common/collect/ImmutableRangeSet.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/math/StatsAccumulator.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/io/CharSource.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/math/LinearTransformation.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/html/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/ClassPath.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/Closer.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/StandardSystemProperty.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/LongAddables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/BaseEncoding.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/xml/package-
info.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/math/Stats.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/SmoothRateLimiter.java

*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/LongAddable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/math/PairedStats.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableRangeMap.java

*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/escape/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/io/FileWriteMode.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ForwardingCondition.java

```
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/hash/AbstractHashFunction.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/primitives/ImmutableLongArray.java
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```
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
```

jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/TopKSelector.java

*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/graph/PredecessorsFunction.java

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*/

/**

* Holder for extra methods of {`@code Objects`} only in web. Intended to be empty for regular
* version.

*/

Found in path(s):

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CollectSpliterators.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/JdkBackedImmutableSet.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/ImmutableSupplier.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ExecutionSequencer.java

*

/* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/JdkBackedImmutableMultiset.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/hash/package-info.java

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*/

/**

* Not supported. You are attempting to create a map that may contain a non-{@code Comparable}

* key. Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy

* version.

*

* @throws UnsupportedOperationException always

* @deprecated Pass a key of type {@code Comparable}

to use {@link

* [ImmutableSortedMap#of\(Comparable, Object\)](#).

*/

Found in path(s):

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java

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* the License.
*/
/*
* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
* which contained the following notice:
*
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*
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*/
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/MoreExecutors.java
```

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* limitations under the License.
*/
/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
*
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* hereby
disclaims copyright to this source code.
*/
```


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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Hashing.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Multimap.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Synchronized.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingSet.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingListIterator.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/MapDifference.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ReverseNaturalOrdering.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ComparatorOrdering.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/EnumHashBiMap.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableList.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Multimaps.java

*

/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Ordering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/SortedSetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ListMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/NullsLastOrdering.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RegularImmutableSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractMapBasedMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/package-info.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/NullsFirstOrdering.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/BiMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingIterator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Iterables.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Sets.java

```

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/TreeMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingObject.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Multisets.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractBiMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Multiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/SingletonImmutableSet.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/HashMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Interner.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/LinkedListMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ConcurrentHashMultiset.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Maps.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-

```

```
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ReverseOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingMapEntry.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/LinkedHashMultiset.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ExplicitOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingCollection.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Lists.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ClassToInstanceMap.java
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```

* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
* java.util.HashMap
class.
*/

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/Striped.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableMultimap.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Tables.java

*

/* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/StandardRowSortedTable.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Collections2.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/TreeBasedTable.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RegularImmutableBiMap.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/Platform.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableSortedSet.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/EmptyImmutableListMultimap.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/RegularImmutableMap.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Range.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/Table.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableCollection.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/HashBasedTable.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/collect/ImmutableMultiset.java
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- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/SortedMultisetBridge.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CompactHashMap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/EvictingQueue.java
- *
- /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RangeMap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingImmutableSet.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredEntryMultimap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/UnmodifiableSortedMultiset.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/TreeRangeMap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredKeyListMultimap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CompactLinkedHashSet.java
- *
- /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CompactHashSet.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingNavigableSet.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractMultimap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingImmutableMap.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/DescendingMultiset.java
- * /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AllEqualOrdering.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingDeque.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableEnumMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/AbstractNavigableMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/TransformedListIterator.java
*
/opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingImmutableList.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/DescendingImmutableSortedSet.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/CompactLinkedHashMap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredSetMultimap.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/FilteredMultimap.java

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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/collect/ImmutableMapEntry.java
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* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/JdkPattern.java
*
* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-jar/com/google/common/base/CommonPattern.java
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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler
wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

```

Found in path(s):

```

* /opt/cola/permits/1110923419_1606871989.68/0/guava-26-0-jre-sources-2-
jar/com/google/common/util/concurrent/Partially.java

```

1.104 six 1.11.0

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The primary author and maintainer of six is Benjamin Peterson. He would like to acknowledge the following people who submitted bug reports, pull requests, and otherwise worked to improve six:

Marc Abramowitz
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1.105 psmisc 23.1-5.el8

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1.106 libusb 1.0.23-4.el8

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1.109 iprutils 2.4.19-1.el8

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1.110 libsoup 2.62.3-2.el8

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1.111 Isof 4.93.2-1.e18

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1.112 libteam 1.31-2.el8

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1.113 jackson 2.11.3

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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1.114 webencodings 0.5

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```
from setuptools import setup, find_packages
import io
from os import path
import re

VERSION = re.search("VERSION = '([^\s]+)'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8'
).read().strip()).group(1)

LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8'
).read()

setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
    classifiers=[
        'Development Status :: 4 - Beta',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 3',

        'Topic :: Internet :: WWW/HTTP',
    ],
    packages=find_packages(),
)
```

Found in path(s):

* /opt/cola/permits/1121503976_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/setup.py

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Metadata-Version: 1.1

Name: webencodings

Version: 0.5

Summary: Character encoding aliases for legacy web content

Home-page: <https://github.com/SimonSapin/python-webencodings>

Author: Simon Sapin

Author-email: simon.sapin@exyr.org

License: BSD

Description: python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard`
<<http://encoding.spec.whatwg.org/>>`_.

* Latest documentation: <http://packages.python.org/webencodings/>

* Source code and issue tracker:

<https://github.com/gsnedders/python-webencodings>

* PyPI releases: <http://pypi.python.org/pypi/webencodings>

* License: BSD

* Python 2.6+ and 3.3+

In order to be compatible with legacy web content

when interpreting something like ``Content-Type: text/html; charset=latin1``,

tools need to use a particular set of

aliases for encoding labels

as well as some overriding rules.

For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually

aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence

over any other encoding declaration.

The Encoding standard defines all such details so that implementations do

not have to reverse-engineer each other.

This module has encoding labels and BOM detection,

but the actual implementation for encoders and decoders is Python's.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 3

Classifier: Topic :: Internet :: WWW/HTTP

Found in path(s):

* /opt/cola/permits/1121503976_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/PKG-INFO
* /opt/cola/permits/1121503976_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/webencodings.egg-info/PKG-INFO

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python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard`
<<http://encoding.spec.whatwg.org/>>` _.

- * Latest documentation: <http://packages.python.org/webencodings/>
- * Source code and issue tracker:
<https://github.com/gsnedders/python-webencodings>
- * PyPI releases: <http://pypi.python.org/pypi/webencodings>
- * License: BSD
- * Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration. The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

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* /opt/cola/permits/1121503976_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/README.rst
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"""

webencodings.mklabels

~~~~~

Regenerate the webencodings.labels module.

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"""

```

import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = ["\
"""

webencodings.labels
~~~~~

Map encoding labels to their name.

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"""

XXX Do not edit!
This file is automatically generated by mklabels.py

LABELS = {
"""
 labels = [
 (repr(assert_lower(label)).lstrip('u'),
 repr(encoding['name']).lstrip('u'))
 for category in json.loads(urlopen(url).read().decode('ascii'))
 for encoding in category['encodings']
 for label in encoding['labels']]
 max_len = max(len(label) for label, name in labels)
 parts.extend(
 ' %s:%s %s,\n' % (label, ' ' * (max_len - len(label)), name)
 for label, name in labels)
 parts.append('}')
 return ".join(parts)

if __name__ == '__main__':
 print(generate('http://encoding.spec.whatwg.org/encodings.json'))

```

Found in path(s):

\* /opt/cola/permits/1121503976\_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/webencodings/mklabels.py

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Found in path(s):

\* /opt/cola/permits/1121503976\_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/webencodings/labels.py

\* /opt/cola/permits/1121503976\_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/webencodings/\_\_init\_\_.py

\* /opt/cola/permits/1121503976\_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/webencodings/tests.py

\* /opt/cola/permits/1121503976\_1610155523.01/0/webencodings-0-5-tar-gz/webencodings-0.5/webencodings/x\_user\_defined.py

## 1.115 tar 1.30-5.el8

### 1.115.1 Available under license :

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Version 3, 29 June 2007

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```
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## 1.116 libusbx 1.0.23-4.el8

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## 1.117 snappy 1.1.8-3.el8

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\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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## 1.121 python-setuptools 39.2.0

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#

builds/unix/pkg.m4

#

docs/FTL.TXT

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#

include/freetype/internal/fthash.h

#

src/base/fthash.c

src/base/md5.c

src/base/md5.h

```
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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```
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# 1.131 libdatrie 0.2.9-7.el8

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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A "library" means a collection of software functions and/or data

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object

code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and

is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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```
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## 1.138 sg3-utils 1.44-5.el8

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10th April 2012

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## 1.139 mariadb-connector-c 3.1.11-2.el8\_3

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## 1.140 libthai 0.1.27-2.el8

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Version 3, 29 June 2007

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# 1.144 icu 60

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Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

Shared object suffix
SO = so
Non-shared intermediate object suffix
STATIC_O = ao

Compilation
rules
%.${STATIC_O}: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O}: $(srcdir)/%.cpp
```

```
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

```
Dependency rules
```

```
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[:]*/g" > $@; \
[-s $@] || rm -f $@'
```

```
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[:]*/g" > $@; \
[-s $@] || rm -f $@'
```

```
Versioned libraries rules
```

```
%.${SO}.${SO_TARGET_VERSION_MAJOR}: %.${SO}.${SO_TARGET_VERSION}
$(RM) $@ && ln -s ${<F} $@
%.${SO}: %.${SO}.${SO_TARGET_VERSION_MAJOR}
$(RM) $@ && ln -s ${*F}.${SO}.${SO_TARGET_VERSION} $@
```

```
Bind internal references
```

```
LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic
```

```
Dependencies [i.e. map files] for the final library
BIR_DEPS=
```

```
Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
```

```
End BSD-specific setup
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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

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## 1.149 httpcomponents-core 4.4.13

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## 1.153 jakarta-annotation-api 1.3.5

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# 1.155 javassist 3.27.0-GA

## 1.155.1 Available under license :

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Found in path(s):

\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/Proxy.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Visitor.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Member.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/CannotInvokeException.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtNewWrappedConstructor.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/LoaderClassPath.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/AppletServer.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtConstructor.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/ObjectNotFoundException.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/ArrayInit.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/Mnemonic.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtNewClass.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/SignatureAttribute.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtArray.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformNewClass.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/Parser.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/DefineClassHelper.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/SubroutineScanner.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtMember.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/ExceptionTable.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/ConstructorCall.java

\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/StubGenerator.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/FieldInfo.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/CodeGen.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/CodeAnalyzer.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/IntQueue.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/runtime/DotClass.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/URLClassPath.java  
 \*  
 /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/ProxyObjectInputStream.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/InstructionPrinter.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/NestMembersAttribute.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/CannotReflectException.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LocalVariableAttribute.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/CallExpr.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/AttributeInfo.java  
 \*  
 /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/KeywordTable.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/CodeIterator.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/SymbolTable.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/Subroutine.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/runtime/Inner.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/DefinePackageHelper.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LineNumberAttribute.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/scopedpool/ScopedClassPoolFactory.java  
 \*  
 /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/Modifier.java  
 \* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-

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jar/javassist/bytecode/annotation/AnnotationsWriter.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/CannotCompileException.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/Expr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/convert/TransformFieldAccess.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtPrimitiveType.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/stackmap/BasicBlock.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/Callback.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/MethodInfo.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/JvstCodeGen.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/NewExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/stackmap/TypeData.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/ClassFile.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtMethod.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/scopedpool/ScopedClassPool.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/NewExpr.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/reflect/CannotCreateException.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/EnclosingMethodAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/SourceFileAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/util/proxy/SecurityActions.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ClassMap.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/TypeChecker.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/FieldDecl.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CodeConverter.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-

```

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jar/javassist/bytecode/NestHostAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/AccessFlag.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/ASTree.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/StackMap.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/NotFoundExcpetion.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/Variable.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/reflect/Sample.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/Stmnt.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/framedump.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/Bytecode.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/ConstantAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/runtime/Desc.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/util/proxy/ProxyFactory.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/util/proxy/FactoryHelper.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtNewMethod.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/InstanceOfExpr.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/Declarator.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtClassType.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/NoSuchClassError.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtBehavior.java

```



\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Expr.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/ByteArray.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/RemoteRef.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/stackmap/TypedBlock.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Keyword.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/MemberCodeGen.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/Descriptor.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/Reflection.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/ClassFileWriter.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/Frame.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/Compiler.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/FramePrinter.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/DoubleConst.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/stackmap/TypeTag.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformAfter.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/Analyzer.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/SerializedProxy.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/MemberResolver.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/StringL.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/Util.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/ParameterAnnotationsAttribute.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/web/BadHttpRequest.java

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*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/BadBytecode.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ClassPool.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/Proxy.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/CtNewWrappedMethod.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/analysis/Type.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/SyntheticAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/rmi/ObjectImporter.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/ExprEditor.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ProceedHandler.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/ExceptionsAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/scopedpool/SoftValueHashMap.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/reflect/Loader.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtField.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/Dump.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/ast/MethodDecl.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/Handler.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/ByteStream.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/util/HotSwapAgent.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/FieldAccess.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/tools/web/Viewer.java
*

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/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/ProxyObject.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformCall.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Symbol.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ByteArrayClassPath.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/AccessorMaker.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/Lex.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/ASTList.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/MethodCall.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/SerialVersionUID.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformBefore.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/runtime/Cflow.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/Transformer.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/AnnotationsAttribute.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LocalVariableTypeAttribute.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/DuplicateMemberException.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/MethodFilter.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/MultiArrayType.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/Metaobject.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/stackmap/MapMaker.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/JvstTypeChecker.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformReadField.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/Loader.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/StackMapTable.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ClassPoolTail.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ClassPath.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/HotSwapper.java  
\*

/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/Javac.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/ControlFlow.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/Opcode.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/Executor.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/web/Webserver.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LongVector.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/ProxyObjectOutputStream.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/CastExpr.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/DeprecatedAttribute.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtClass.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/Translator.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/Sample.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/CodeAttribute.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/NewArray.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/ClassClassPath.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/IntConst.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/MethodHandler.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformNew.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/scopedpool/ScopedClassPoolRepository.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/expr/Cast.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/NoFieldException.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/SyntaxError.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/TokenId.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/RuntimeSupport.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Pair.java  
\*  
/opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformWriteField.java  
\* /opt/cola/permits/1135872664\_1613621010.52/0/javassist-3-27-0-ga-sources-1-jar/javassist/CtNewConstructor.java

```
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/ConstPool.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/analysis/MultiType.java
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```

```
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* Javassist, a Java-bytecode translator toolkit.
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*/
```

Found in path(s):

```
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/EnumMemberValue.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/BooleanMemberValue.java
*
/opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
```

```
jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135872664_1613621010.52/0/javassist-3-27-0-ga-sources-1-
jar/javassist/bytecode/annotation/DoubleMemberValue.java
```

# 1.156 python-dateutil 2.6.1-1.ph1

## 1.156.1 Available under license :

dateutil - Extensions to the standard Python datetime module.

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# 1.157 bson 4.0.5

## 1.157.1 Available under license :

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```
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/ConventionObjectIdGeneratorsImpl.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/IdPropertyModelHolder.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/IdGenerators.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/BsonCodecProvider.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/IdGenerator.java
```

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Found in path(s):

- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/util/CopyOnWriteMap.java
  - \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/assertions/Assertions.java
  - \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/util/AbstractCopyOnWriteMap.java
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Found in path(s):

- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/jsr310/LocalDateCodec.java
  - \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/jsr310/Jsr310CodecProvider.java
  - \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/jsr310/LocalTimeCodec.java
- /\*
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/jsr310/LocalDateTimeCodec.java
  - \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/jsr310/InstantCodec.java
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Found in path(s):

- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/LazyMissingCodec.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonUndefinedCodec.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/internal/ProvidersCodecRegistry.java
- \*
- /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/ExtendedJsonRegularExpressionConverter.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonInt32.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonUndefined.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/configuration/CodecProvider.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/JsonStreamBuffer.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/io/ByteBufferBsonInput.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/ObjectIdCodec.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/AtomicLongCodec.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonValueCodec.java
- \*
- /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonDateTime.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonInt32Codec.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/ShellMinKeyConverter.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/annotations/BsonIgnore.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BinaryCodec.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/ShellBinaryConverter.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/EnumPropertyCodecProvider.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/package-info.java
- \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/internal/CodecRegistryHelper.java
- \*

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/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ExtendedJsonMinKeyConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/BSONTimestamp.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonSymbol.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/IterableCodecProvider.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/JsonJavaScriptConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/io/BsonOutput.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ExtendedJsonDateTimeConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/CreatorExecutable.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/BsonBinaryCodec.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonString.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/BsonDateTimeCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/internal/OverridableUuidRepresentationCodecRegistry.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/Bits.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/JsonWriter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/BsonTimestampCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/ByteBufNIO.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/PropertyReflectionUtils.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/InstanceCreatorFactory.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/MinKey.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonTimestamp.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/Decimal128Codec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/PropertyCodecRegistry.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonWriterSettings.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/internal/CodecCache.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/StrictCharacterStreamJsonWriter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ExtendedJsonInt32Converter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ShellDateTimeConverter.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/ObjectIdGenerator.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-

```

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jar/org/bson/codecs/configuration/CodecRegistry.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/io/BsonInputMark.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/JsonParseException.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonReader.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/RawBsonArray.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ShellTimestampConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonArrayCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/annotations/BsonDiscriminator.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/configuration/CodecConfigurationException.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/LazyBSONObject.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ShellDecimal128Converter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/RelaxedExtendedJsonDateTimeConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/ByteArrayCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/annotations/BsonProperty.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/AbstractBsonWriter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/BsonTypeClassMap.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/SymbolCodec.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ExtendedJsonUndefinedConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/TypeWithTypeParameters.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/PatternCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/ByteBuf.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/FieldNameValidator.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/util/package-info.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/CodeWScope.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonStringCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/Conventions.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/internal/Base64.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ExtendedJsonDoubleConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/annotations/BsonId.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonType.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/StrictCharacterStreamJsonWriterSettings.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/package-info.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/Transformer.java

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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/LazyPojoCodec.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonDocumentCodec.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonMaximumSizeExceededException.java  
 \*  
 /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/package-info.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/MapPropertyCodecProvider.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/CodeWithScope.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/ConventionUseGettersAsSettersImpl.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/UuidCodecHelper.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonDouble.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/MapCodecProvider.java  
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 \*  
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 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BigDecimalCodec.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/ExtendedJsonTimestampConverter.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/DocumentCodecProvider.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/diagnostics/package-info.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/Binary.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonSerializationException.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/ObjectId.java  
 \*  
 /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonBinaryWriter.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/OverridableUuidRepresentationCodec.java  
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 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/TypeData.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/BasicBSONList.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonReaderMark.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/UuidRepresentation.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonDecimal128Codec.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonDocument.java  
 \* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonInt64.java  
 \*

/opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/EmptyBSONCallback.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BasicBSONCallback.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/TypeParameterMap.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BasicBSONEncoder.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/UuidCodecProvider.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/IntegerCodec.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/DecoderContext.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/IdGenerator.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/NoOpFieldNameValidator.java  
\*  
/opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonBooleanCodec.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/PojoCodec.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonMaxKeyCodec.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/FloatCodec.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BSONCallbackAdapter.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonDbPointer.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/RawBsonDocumentCodec.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonBinary.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonRegularExpression.java  
\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonObjectIdCodec.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/pojo/Either.java

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\*  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/package-info.java  
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jar/org/bson/codecs/BsonMinKeyCodec.java  
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jar/org/bson/codecs/pojo/PropertyModelSerializationImpl.java  
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jar/org/bson/codecs/configuration/package-info.java  
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\* /opt/cola/permits/1135887302\_1613625706.97/0/bson-4-0-5-sources-1-  
jar/org/bson/codecs/pojo/PojoBuilderHelper.java  
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jar/org/bson/codecs/pojo/annotations/package-info.java  
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jar/org/bson/json/JsonSymbolConverter.java  
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jar/org/bson/codecs/pojo/ClassModelBuilder.java  
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jar/org/bson/codecs/pojo/CollectionPropertyCodecProvider.java  
\*  
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jar/org/bson/codecs/pojo/PojoCodecImpl.java

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* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/JsonWriterSettings.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonWriter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ExtendedJsonInt64Converter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/PojoCodecProvider.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/InstanceCreatorFactoryImpl.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonElement.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/PropertyCodecRegistryImpl.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BsonArray.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/pojo/InstanceCreator.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/NumberCodecHelper.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/json/ShellObjectIdConverter.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/MapCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/types/Code.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/BsonInvalidOperationException.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/BsonNullCodec.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/BasicBSONObject.java
*
/opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/codecs/ValueCodecProvider.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/codecs/Encoder.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/util/Function.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/json/JsonMode.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-
jar/org/bson/internal/CycleDetectingCodecRegistry.java
* /opt/cola/permits/1135887302_1613625706.97/0/bson-4-0-5-sources-1-jar/org/bson/diagnostics/NoOpLogger.java

```

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* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/aopalliance/intercept/Joinpoint.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/target/ThreadLocalTargetSource.java
*
/opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/aopalliance/aop/Advice.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/aopalliance/intercept/MethodInvocation.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/aopalliance/intercept/Invocation.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/ProxyFactory.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/aopalliance/intercept/ConstructorInterceptor.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/SingletonMetadataAwareAspectInstanceFactory.java
*
```



/opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/AbstractAspectJAdvisorFactory.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/target/AbstractPoolingTargetSource.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/TruePointcut.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/MethodInvocationProceedingJoinPoint.java  
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jar/org/springframework/aop/framework/adapter/ThrowsAdviceInterceptor.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-  
jar/org/aopalliance/intercept/ConstructorInvocation.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/AfterAdvice.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/AdvisedSupportListener.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/IntroductionInterceptor.java

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* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/config/MethodLocatingFactoryBean.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/interceptor/PerformanceMonitorInterceptor.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
*
/opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/AnnotationAwareAspectJAutoProxyCreator.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/support/DelegatePerTargetObjectIntroductionInterceptor.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/framework/autoproxy/InfrastructureAdvisorAutoProxyCreator.java
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jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java
*
/opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
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jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java
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jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
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jar/org/springframework/aop/ProxyMethodInvocation.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
jar/org/springframework/aop/TargetClassAware.java
* /opt/cola/permits/1135892722_1613627041.37/0/spring-aop-5-2-10-release-sources-1-
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jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/scope/DefaultScopedObject.java
- \*
- /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/AfterReturningAdvice.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/AopProxy.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/AopConfigException.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/target/LazyInitTargetSource.java
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/PointcutAdvisor.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/adapter/AdvisorAdapter.java
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/AopInvocationException.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAopUtils.java
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- \*

/opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/DynamicIntroductionAdvice.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/scope/ScopedObject.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/Pointcut.java  
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/opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/target/dynamic/BeanFactoryRefreshableTargetSource.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/AopProxyFactory.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java  
\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java  
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java  
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/aopalliance/intercept/Interceptor.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/ReflectiveMethodInvocation.java

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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/support/MethodMatchers.java

- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/AspectJProxyUtils.java

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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/AbstractAspectJAdvice.java

- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/JdkDynamicAopProxy.java

- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/support/Pointcuts.java

- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/ClassFilter.java

- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java

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/opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/support/ClassFilters.java

- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/framework/autoproxy/AbstractAutoProxyCreator.java

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- /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/config/AspectEntry.java
- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/config/AdvisorEntry.java
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- \* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAdviceParameterNameDiscoverer.java
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\* /opt/cola/permits/1135892722\_1613627041.37/0/spring-aop-5-2-10-release-sources-1-jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java

# 1.161 spring-context 5.2.10.RELEASE

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- /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/interceptor/CacheErrorHandler.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/export/metadata/ManagedResource.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/remoting/support/RemoteAccessor.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/interceptor/SimpleCacheErrorHandler.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/scripting/ScriptFactory.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeFormatterRegistrar.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/number/money/MonetaryAmountFormatter.java
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- /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/stereotype/Indexed.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeContext.java
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- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
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- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/support/NotificationListenerHolder.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/stereotype/Controller.java
- \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/instrument/classloading/SimpleInstrumentableClassLoader.java

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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassPreProcessorAdapter.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/export/assembly/MethodExclusionMBeanInfoAssembler.java



\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/scheduling/annotation/AsyncConfigurer.java

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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/support/SimpleValueWrapper.java

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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/export/asm/AbstractMBeanInfoAssembler.java

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 jar/org/springframework/format/datetime/joda/JodaDateTimeFormatAnnotationFormatterFactory.java  
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 jar/org/springframework/context/expression/AnnotatedElementKey.java  
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 \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-  
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 jar/org/springframework/stereotype/Component.java  
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jar/org/springframework/context/expression/EnvironmentAccessor.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-  
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jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java  
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jar/org/springframework/jmx/access/ConnectorDelegate.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-  
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jar/org/springframework/cache/support/NullValue.java  
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jar/org/springframework/format/support/FormattingConversionServiceFactoryBean.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java

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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/support/NoOpCache.java

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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java

\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedAttribute.java

\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/annotation/Condition.java

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jar/org/springframework/context/event/AbstractApplicationEventMulticaster.java
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jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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/opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/validation/AbstractErrors.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/context/index/CandidateComponentsIndex.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-

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 jar/org/springframework/validation/BindException.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/annotation/ConfigurationCondition.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/support/MessageSourceResourceBundle.java  
\*  
/opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java

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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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jar/org/springframework/format/datetime/joda/MillisecondInstantPrinter.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/format/datetime/joda/DateTimeParser.java
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jar/org/springframework/format/AnnotationFormatterFactory.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/context/annotation/PropertySources.java
*
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/opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/cache/interceptor/BasicOperation.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/validation/annotation/Validated.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/context/ApplicationContext.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
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*/
/**
* Abstract the invocation of a cache operation.
*
* <p>Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
*
* @author Stephane Nicoll
* @since 4.1
*/
```

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```
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedNotification.java  
\*  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/annotation/ImportResource.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/datetime/joda/YearMonthFormatter.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedOperation.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/scripting/ScriptEvaluator.java  
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/opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/datetime/joda/PeriodFormatter.java  
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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 jar/org/springframework/jndi/JndiPropertySource.java

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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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/opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/cache/annotation/CachePut.java
No license file was found, but licenses were detected in source scan.
```

```
/*
* Copyright 2002-2020 the original author or authors.
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* Licensed under the Apache License, Version 2.0 (the "License");
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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* Indicates that a component is only eligible for registration when all
* { @linkplain #value specified conditions } match.
*
* <p>A condition is any state that can be determined programmatically
* before the bean definition is due to be registered (see { @link Condition } for details).
*
*
*
*/
```

<p>The { @code @Conditional } annotation may be used in any of the following ways:

- \* <ul>
- \* <li>as a type-level annotation on any class directly or indirectly annotated with
- \* { @code @Component }, including { @link Configuration @Configuration } classes</li>
- \* <li>as a meta-annotation, for the purpose of composing custom stereotype
- \* annotations</li>
- \* <li>as a method-level annotation on any { @link Bean @Bean } method</li>
- \* </ul>

\* <p>If a { @code @Configuration } class is marked with { @code @Conditional },

- \* all of the { @code @Bean } methods, { @link Import @Import } annotations, and
- \* { @link ComponentScan @ComponentScan } annotations associated with that
- \* class will be subject to the conditions.

\* <p><strong>NOTE</strong>: Inheritance of { @code @Conditional } annotations

- \* is not supported; any conditions from superclasses or from overridden
- \* methods will not be considered. In order to enforce these semantics,
- \* { @code @Conditional } itself is not declared as
- \* { @link java.lang.annotation.Inherited
- \* @Inherited }; furthermore, any
- \* custom <em>composed annotation</em> that is meta-annotated with
- \* { @code @Conditional } must not be declared as { @code @Inherited }.

\* @author Phillip Webb

\* @author Sam Brannen

\* @since 4.0

\* @see Condition

\*/

Found in path(s):

\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/annotation/Conditional.java

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\*/

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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/annotation/CachingConfigurerSupport.java  
\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/ui/context/support/DelegatingThemeSource.java  
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/cache/annotation/ProxyCachingConfiguration.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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/opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/instrument/classloading/websphere/WebSphereClassLoaderAdapter.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/format/datetime/standard/DateTimeConverters.java

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/opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/instrument/classloading/WeavingTransformer.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/jmx/export/assembly/MetadataMBeanInfoAssembler.java
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*/
/**
* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
* reference through WebSphere's proprietary {@code AdminServiceFactory} API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the {@code MBeanServer} for bean references.
*
* <p>This {@code FactoryBean} is
* a direct alternative to {@link MBeanServerFactoryBean},
* which uses standard JMX 1.2 API to access the platform's {@link MBeanServer}.
*
* <p>See the javadocs for WebSphere's
* <a
```

```
href="https://www.ibm.com/support/knowledgecenter/SSEQTJ_9.0.0/com.ibm.websphere.javadoc.doc/web/apidocs
/com/ibm/websphere/management/AdminServiceFactory.html">{@code AdminServiceFactory}
* and
* <a
href="https://www.ibm.com/support/knowledgecenter/SSEQTJ_9.0.0/com.ibm.websphere.javadoc.doc/web/apidocs
/com/ibm/websphere/management/MBeanFactory.html">{@code MBeanFactory}.
*
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/
```

Found in path(s):

```
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/context/annotation/ImportAware.java
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jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
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jar/org/springframework/context/ApplicationEventPublisherAware.java
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```
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```

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 \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/jndi/JndiTemplateEditor.java  
 \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/context/event/ApplicationEventMulticaster.java  
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 /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java  
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 \* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/cache/support/AbstractCacheManager.java  
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jar/org/springframework/context/event/EventListenerMethodProcessor.java  
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jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java  
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jar/org/springframework/remoting/support/RemoteInvocationFactory.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/remoting/rmi/CodebaseAwareObjectInputStream.java  
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\* /opt/cola/permits/1135892678\_1613626672.8/0/spring-context-5-2-10-release-sources-1-jar/org/springframework/validation/MessageCodesResolver.java  
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jar/org/springframework/jmx/access/MBeanConnectFailureException.java
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jar/org/springframework/context/weaving/LoadTimeWeaverAware.java
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/opt/cola/permits/1135892678_1613626672.8/0/spring-context-5-2-10-release-sources-1-
jar/org/springframework/validation/BindingResultUtils.java
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## 1.162 asm 7.1

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* /opt/cola/permits/1135892428_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/MethodWriter.java
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* /opt/cola/permits/1135892428_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1135892428_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/ModuleVisitor.java
* /opt/cola/permits/1135892428_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1135892428_1613626883.3/0/asm-7-1-sources-6-
jar/org/objectweb/asm/signature/SignatureVisitor.java
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/opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/ClassReader.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/ConstantDynamic.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/AnnotationWriter.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/signature/SignatureReader.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/FieldWriter.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/ModuleWriter.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/CurrentFrame.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/ClassTooLargeException.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/TypeReference.java  
\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/ByteVector.java  
\*  
/opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/Opcodes.java  
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\* /opt/cola/permits/1135892428\_1613626883.3/0/asm-7-1-sources-6-jar/org/objectweb/asm/signature/package.html

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jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/UrlBasedViewResolver.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/HandlerInterceptor.java

\*

/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ReactiveTypeHandler.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/HandlerFilterFunction.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/AsyncSupportConfigurer.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMethodMappingNamingStrategy.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/DelegatingWebMvcConfiguration.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/CssLinkResourceTransformer.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-

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jar/org/springframework/web/servlet/function/support/RouterFunctionMapping.java
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/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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jar/org/springframework/web/servlet/function/ServerResponseExtensions.kt
*
/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
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jar/org/springframework/web/servlet/i18n/LocaleChangeInterceptor.java
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/support/HandlerFunctionAdapter.java
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jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/resource/EncodedResourceResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java
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jar/org/springframework/web/servlet/resource/WebJarsResourceResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/support/RequestContext.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/HandlerFunction.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/ServerRequestExtensions.kt
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/ResourceHandlerFunction.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/RouterFunctionDsl.kt
*
/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/ServerResponse.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/RenderingResponse.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/resource/VersionResourceResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/function/RouterFunction.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/EntityResponse.java  
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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java  
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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/annotation/ModelAndViewResolver.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/NoHandlerFoundException.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/HtmlEscapingAwareTag.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupViewResolver.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/VersionPathStrategy.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/document/AbstractXlsxView.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/ArgumentAware.java  
\*  
/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/VersionStrategy.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java

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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/ViewResolverComposite.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/RequestCondition.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerComposite.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBody.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/handler/RequestMatchResult.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateView.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/Controller.java

\*

/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/DefaultServletHandlerBeanDefinitionParser.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceTransformer.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-

jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerAdapter.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java  
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 * limitations under the License.
 */
/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * <p>Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality,
 * protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * <p>View technologies that support this contract can obtain an instance to
 * delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */
```

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jar/org/springframework/web/servlet/support/RequestDataValueProcessor.java  
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- \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfigurer.java
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- \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/form/LabelTag.java
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/JstlView.java

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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/AsyncHandlerInterceptor.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/i18n/FixedLocaleResolver.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceResolver.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-

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jar/org/springframework/web/servlet/handler/SimpleServletPostProcessor.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletWebArgumentResolverAdapter.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/RedirectAttributesMethodArgumentResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/condition/RequestConditionHolder.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/RequestToViewNameTranslator.java
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/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/UriComponentsBuilderMethodArgumentResolver.java
a
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/view/tiles3/TilesViewResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
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jar/org/springframework/web/servlet/mvc/method/annotation/JsonViewRequestBodyAdvice.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/config/CorsBeanDefinitionParser.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/view/document/AbstractXlsView.java
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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ExtendedServletRequestDataBinder.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/InternalResourceView.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/tiles3/SpringWildcardServletTilesApplicationContext.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdvice.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/EnableWebMvc.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/support/RedirectAttributesModelMap.java  
\*  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/CallableMethodReturnValueHandler.java  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestDataBinderFactory.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/ResourceHandlerRegistration.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/AbstractResourceResolver.java  
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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/xslt/XsltViewResolver.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/handler/WebRequestHandlerInterceptorAdapter.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestMethodArgumentResolver.java



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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/ThemeResolver.java
*
/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/ServletForwardingController.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/handler/UserRoleAuthorizationInterceptor.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/view/AbstractUrlBasedView.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewMethodReturnValueHandler.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/support/JsAwareRequestContext.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/handler/AbstractHandlerMethodExceptionResolver.java
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* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java
*
/opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java
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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* { @link #locateSource detected } during response rendering. Users can either specify
* a specific entry in the
* model via the { @link #setSourceKey sourceKey } property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See { @link #getSourceTypes() here }
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure { @link #setOutputProperties output properties }
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
```

Found in path(s):

```
* /opt/cola/permits/1135892597_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-
jar/org/springframework/web/servlet/view/xslt/XsltView.java
```

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/DefaultServerResponseBuilder.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/ContentNegotiationConfigurer.java

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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/SseEmitter.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/ResourceHttpRequestHandler.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/DefaultServerRequest.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java

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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMapping.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/form/ErrorsTag.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerMapping.java  
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 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/MvcUriComponentsBuilder.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/ParamsRequestCondition.java  
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 /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/DefaultServerRequestBuilder.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/ProducesRequestCondition.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/ResourceHandlerRegistry.java  
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 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/CorsRegistry.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/RouterFunctions.java  
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 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/MessageTag.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/RequestMethodRequestCondition.java  
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 /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ServletCookieValueMethodArgumentResolver.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/UrlTag.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/resource/AppCacheManifestTransformer.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/DefaultEntityResponseBuilder.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/function/RequestPredicates.java  
 \* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-

jar/org/springframework/web/servlet/function/ServerRequest.java  
\*  
/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/config/annotation/ViewControllerRegistry.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java  
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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/HandlerExecutionChain.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/config/annotation/PathMatchConfigurer.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitter.java  
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jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java  
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jar/org/springframework/web/servlet/function/PathResourceLookupFunction.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/resource/ResourceUrlProvider.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/mvc/annotation/ResponseStatusExceptionHandlerResolver.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-  
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java  
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\*  
/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/config/annotation/UrlBasedViewResolverRegistration.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/support/SessionFlashMapManager.java  
\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/FlashMapManager.java  
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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/ParamAware.java  
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/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/SmartView.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/view/tiles3/SpringBeanPreparerFactory.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/form/OptionWriter.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractUrlViewController.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/HttpRequestHandlerAdapter.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/SimpleControllerHandlerAdapter.java

\*

/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/MediaTypeExpression.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/LastModified.java

\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java

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\* /opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/tags/form/TagIdGenerator.java

\*

/opt/cola/permits/1135892597\_1613626904.48/0/spring-webmvc-5-2-10-release-sources-1-jar/org/springframework/web/servlet/mvc/support/RedirectAttributes.java

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/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor.java

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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/AbstractAsyncClientHttpRequest.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/server/session/WebSessionStore.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/support/ServletContextAttributeFactoryBean.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/support/DefaultDataBinderFactory.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/EscapedErrors.java

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/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/AsyncWebRequestInterceptor.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/multipart/MultipartException.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/HttpCookie.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/codec/multipart/Part.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/support/InterceptingAsyncHttpAccessor.java

\*

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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/converter/json/GsonFactoryBean.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-



jar/org/springframework/http/server/RequestPath.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/HttpComponentsAsyncClientHttpResponse.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/bind/annotation/RestController.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/remoting/httpinvoker/HttpInvokerProxyFactoryBean.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/request/RequestAttributes.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/support/ServletContextAwareProcessor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/cors/reactive/CorsProcessor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/bind/MethodArgumentNotValidException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactoryBean.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/AsyncClientHttpRequestFactory.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/bind/support/WebArgumentResolver.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/remoting/httpinvoker/HttpInvokerServiceExporter.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/server/i18n/LocaleContextResolver.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/HttpMediaTypeNotSupportedException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/request/async/AsyncWebRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/support/WebApplicationObjectSupport.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/converter/json/GsonBuilderUtils.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/support/ServletContextParameterFactoryBean.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/AsyncClientHttpRequestInterceptor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/SimpleClientHttpRequestFactory.java  
\*

/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/codec/multipart/FormFieldPart.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/support/SessionAttributeStore.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/NativeWebRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/jsf/el/SpringBeanFacesELResolver.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/ServletRequestUtils.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/ResponseStatus.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/util/pattern/WildcardTheRestPathElement.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/remoting/caucho/HessianClientInterceptor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/util/AbstractUriTemplateHandler.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/HttpComponentsAsyncClientHttpRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/support/HttpRequestHandlerServlet.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/ServletRequestDataBinder.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/server/ServerWebInputException.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/multipart/MaxUploadSizeExceededException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/OkHttp3ClientHttpResponse.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/support/WebDataBinderFactory.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/converter/json/MappingJacksonInputMessage.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/AsyncClientHttpRequestExecution.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/method/annotation/ModelMethodProcessor.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/HttpComponentsStreamingClientHttpRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/BufferingClientHttpResponseWrapper.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-

jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/util/pattern/PatternParseException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/server/ServletServerHttpAsyncRequestControl.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/remoting/httpinvoker/HttpInvokerClientInterceptor.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/remoting/jaxws/JaxWsPortProxyFactoryBean.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/filter/DelegatingFilterProxy.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/AbstractBufferingClientHttpRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/method/annotation/MethodArgumentTypeMismatchException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/OkHttp3ClientHttpRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/support/HttpRequestWrapper.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/support/LiveBeansViewServlet.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/request/AbstractRequestAttributesScope.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/converter/smile/MappingJackson2SmileHttpMessageConverter.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/util/pattern/SubSequence.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/Netty4ClientHttpResponse.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/method/support/UriComponentsContributor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/OkHttp3AsyncClientHttpRequest.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/client/AsyncRequestCallback.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/support/ProxyFactoryBean.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/AsyncClientHttpRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/http/client/AbstractBufferingAsyncClientHttpRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/request/async/TimeoutCallableProcessingInterceptor.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptorAdapter.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/method/support/HandlerMethodReturnValueHandler.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptorAdapter.java  
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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/HttpMediaTypeNotAcceptableException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/InitBinder.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/ServletRequestBindingException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/client/ResourceAccessException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/MissingServletRequestParameterException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/MediaTypeEditor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/remoting/httpinvoker/HttpInvokerClientConfiguration.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/support/SimpleSessionStatus.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/ValueConstants.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/remoting/jaxws/JaxWsSoapFaultException.java  
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Found in path(s):

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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/SessionAttribute.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/RequestContextHolder.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/filter/CompositeFilter.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/CookieValue.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/ReactiveHttpOutputMessage.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/GetMapping.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/server/WebExceptionHandler.java

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/support/ServletContextLiveBeansView.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/WebRequestInterceptor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/method/annotation/RequestHeaderMapMethodArgumentResolver.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/server/WebHandler.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/multipart/MultipartRequest.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/RequestAttribute.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/annotation/SessionScope.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/server/session/WebSessionManager.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/async/AsyncRequestTimeoutException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/ReactiveHttpInputMessage.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/cors/CorsConfigurationSource.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/WebApplicationContext.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/FacesWebRequest.java  
\*  
/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/annotation/ApplicationScope.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/cors/reactive/CorsConfigurationSource.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/server/session/WebSessionIdResolver.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/util/WebAppRootListener.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/PutMapping.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/async/TimeoutDeferredResultProcessingInterceptor.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/ModelAttribute.java  
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/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/annotation/RequestScope.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/HttpRequestHandler.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/PostMapping.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/DeleteMapping.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/context/request/RequestScope.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/support/WebBindingInitializer.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/bind/annotation/PatchMapping.java  
\*

/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/ClientHttpRequestExecution.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/client/ClientHttpRequestFactory.java  
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jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/http/client/ClientHttpRequest.java
*
/opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/web/jsf/FacesContextUtils.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/http/client/AbstractClientHttpRequest.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/web/context/ConfigurableWebApplicationContext.java
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/web/context/support/ServletConfigPropertySource.java
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```
This file maps Internet media types to unique file extension(s).
Although created for httpd, this file is used by many software systems
and has been placed in the public domain for unlimited redistribution.
#
The table below contains both registered and (common) unregistered types.
A type that has no unique extension can be ignored -- they are listed
here to guide configurations toward known types and to make it easier to
identify "new" types. File extensions are also commonly used to indicate
content languages and encodings, so choose them carefully.
#
Internet media types should be registered as described in RFC 4288.
The registry is at <https://www.iana.org/assignments/media-types/>.
#
This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1752884&view=co
#
```



```

MIME type (lowercased) Extensions
=====
#
application/1d-interleaved-parityfec
application/3gpdash-qoe-report+xml
application/3gpp-ims+xml
application/a2l
application/activemessage
application/alto-costmap+json
application/alto-costmapfilter+json
application/alto-directory+json
application/alto-endpointcost+json
application/alto-endpointcostparams+json
application/alto-endpointprop+json
application/alto-endpointpropparams+json
application/alto-error+json
application/alto-networkmap+json
application/alto-networkmapfilter+json
application/aml
application/andrew-inset ez
application/applefile
application/applixware aw
application/atf
application/atfx
application/atom+xml atom
application/atomcat+xml atomcat
application/atomdeleted+xml
application/atomicmail
application/atomsvc+xml atomsvc
application/atxml
application/auth-policy+xml
application/bacnet-xdd+zip
application/batch-smtp
application/beep+xml
application/calendar+json
application/calendar+xml
#
application/call-completion
application/cals-1840
application/cbor
application/ccmp+xml
application/ccxml+xml ccxml
application/cdfx+xml
application/cdmi-capability cdmia
application/cdmi-container cdmic
application/cdmi-domain cdmid
application/cdmi-object cdmio
application/cdmi-queue cdmiq

```

# application/cdni  
# application/cea  
# application/cea-2018+xml  
# application/cellml+xml  
# application/cfw  
# application/cms  
# application/cnrx+xml  
# application/coap-group+json  
# application/commonground  
# application/conference-info+xml  
# application/cpl+xml  
# application/csrattrs  
# application/csta+xml  
# application/cstadata+xml  
# application/csvm+json  
application/cu-seeme cu  
# application/cybercash  
# application/dash+xml  
# application/dashdelta  
application/davmount+xml davmount  
# application/dca-rft  
# application/dcd  
# application/dec-dx  
# application/dialog-info+xml  
# application/dicom  
# application/dii  
# application/dit  
# application/dns  
application/docbook+xml dbk  
#  
application/dskpp+xml  
application/dssc+der dssc  
application/dssc+xml xdssc  
# application/dvcs  
application/ecmascript ecma  
# application/edi-consent  
# application/edi-x12  
# application/edifact  
# application/efi  
# application/emergencycalldata.comment+xml  
# application/emergencycalldata.deviceinfo+xml  
# application/emergencycalldata.providerinfo+xml  
# application/emergencycalldata.serviceinfo+xml  
# application/emergencycalldata.subscriberinfo+xml  
application/emma+xml emma  
# application/emotionml+xml  
# application/encaprtsp  
# application/epp+xml

application/epub+zip epub  
# application/eshop  
# application/example  
application/exi exi  
# application/fastinfoset  
# application/fastsoap  
# application/fdt+xml  
# application/fits  
# application/font-sfnt  
application/font-tdpfr pfr  
application/font-woff woff  
# application/framework-attributes+xml  
# application/geo+json  
application/gml+xml gml  
application/gpx+xml gpx  
application/gxf gxf  
# application/gzip  
#  
application/h224  
# application/held+xml  
# application/http  
application/hyperstudio stk  
# application/ibe-key-request+xml  
# application/ibe-pkg-reply+xml  
# application/ibe-pp-data  
# application/iges  
# application/im-iscomposing+xml  
# application/index  
# application/index.cmd  
# application/index.obj  
# application/index.response  
# application/index.vnd  
application/inkml+xml ink inkml  
# application/iotp  
application/ipfix ipfix  
# application/ipp  
# application/isup  
# application/its+xml  
application/java-archive jar  
application/java-serialized-object ser  
application/java-vm class  
application/javascript js  
# application/jose  
# application/jose+json  
# application/jrd+json  
application/json json  
# application/json-patch+json  
# application/json-seq

application/jsonml+json jsonml  
# application/jwk+json  
# application/jwk-set+json  
# application/jwt  
# application/kpml-request+xml  
# application/kpml-response+xml  
# application/ld+json  
# application/lgr+xml  
# application/link-format  
#  
application/load-control+xml  
application/lost+xml lostxml  
# application/lostsync+xml  
# application/lxf  
application/mac-binhex40 hqx  
application/mac-compactpro cpt  
# application/macwriteii  
application/mads+xml mads  
application/marc mrc  
application/marcxml+xml mrcx  
application/mathematica ma nb mb  
application/mathml+xml mathml  
# application/mathml-content+xml  
# application/mathml-presentation+xml  
# application/mbms-associated-procedure-description+xml  
# application/mbms-deregister+xml  
# application/mbms-envelope+xml  
# application/mbms-msk+xml  
# application/mbms-msk-response+xml  
# application/mbms-protection-description+xml  
# application/mbms-reception-report+xml  
# application/mbms-register+xml  
# application/mbms-register-response+xml  
# application/mbms-schedule+xml  
# application/mbms-user-service-description+xml  
application/mbox mbox  
# application/media-policy-dataset+xml  
# application/media\_control+xml  
application/mediaservercontrol+xml mscml  
# application/merge-patch+json  
application/metalink+xml metalink  
application/metalink4+xml meta4  
application/mets+xml mets  
#  
application/mf4  
# application/mikey  
application/mods+xml mods  
# application/moss-keys

# application/moss-signature  
# application/mosskey-data  
# application/mosskey-request  
application/mp21 m21 mp21  
application/mp4 mp4s  
# application/mpeg4-generic  
# application/mpeg4-iod  
# application/mpeg4-iod-xmt  
# application/mrb-consumer+xml  
# application/mrb-publish+xml  
# application/msc-ivr+xml  
# application/msc-mixer+xml  
application/msword doc dot  
application/mxf mxf  
# application/nasdata  
# application/news-checkgroups  
# application/news-groupinfo  
# application/news-transmission  
# application/nlsm+xml  
# application/nss  
# application/ocsp-request  
# application/ocsp-response  
application/octet-stream bin dms lrf mar so dist distz pkg bpk dump elc deploy  
application/oda oda  
# application/odx  
application/oebps-package+xml opf  
application/ogg ogx  
application/omdoc+xml omdoc  
application/onenote onetoc  
onetoc2 onetmp onepkg  
application/oxps oxps  
# application/p2p-overlay+xml  
# application/parityfec  
application/patch-ops-error+xml xer  
application/pdf pdf  
# application/pdx  
application/pgp-encrypted pgp  
# application/pgp-keys  
application/pgp-signature asc sig  
application/pics-rules prf  
# application/pidf+xml  
# application/pidf-diff+xml  
application/pkcs10 p10  
# application/pkcs12  
application/pkcs7-mime p7m p7c  
application/pkcs7-signature p7s  
application/pkcs8 p8  
application/pkix-attr-cert ac

application/pkix-cert cer  
application/pkix-crl crl  
application/pkix-pkipath pkipath  
application/pkixcmp pki  
application/pls+xml pls  
# application/poc-settings+xml  
application/postscript ai eps ps  
# application/ppsp-tracker+json  
# application/problem+json  
# application/problem+xml  
# application/provenance+xml  
# application/prs.alvestrand.titrax-sheet  
application/prs.cww cww  
# application/prs.hpub+zip  
#  
application/prs.nprend  
# application/prs.plucker  
# application/prs.rdf+xml-xml-crypt  
# application/prs.xsf+xml  
application/pskc+xml pskcxml  
# application/qsig  
# application/raptorfec  
# application/rdap+json  
application/rdf+xml rdf  
application/reginfo+xml rif  
application/relax-ng-compact-syntax rnc  
# application/remote-printing  
# application/reputon+json  
application/resource-lists+xml rl  
application/resource-lists-diff+xml rld  
# application/rfc+xml  
# application/riscos  
# application/rlmi+xml  
application/rls-services+xml rs  
application/rpki-ghostbusters gbr  
application/rpki-manifest mft  
application/rpki-roa roa  
# application/rpki-updown  
application/rsd+xml rsd  
application/rss+xml rss  
application/rtf rtf  
# application/rtploopback  
# application/rtx  
# application/samlassertion+xml  
# application/samlmetadata+xml  
application/sbml+xml sbml  
# application/scaip+xml  
# application/scim+json

application/scvp-cv-request scq  
application/scvp-cv-response scs  
application/scvp-vp-request spq  
application/scvp-vp-response spp  
application/sdp sdp  
#  
application/sep+xml  
# application/sep-exi  
# application/session-info  
# application/set-payment  
application/set-payment-initiation setpay  
# application/set-registration  
application/set-registration-initiation setreg  
# application/sgml  
# application/sgml-open-catalog  
application/shf+xml shf  
# application/sieve  
# application/simple-filter+xml  
# application/simple-message-summary  
# application/simplesymbolcontainer  
# application/slate  
# application/smil  
application/smil+xml smi smil  
# application/smpte336m  
# application/soap+fastinfoset  
# application/soap+xml  
application/sparql-query rq  
application/sparql-results+xml srx  
# application/spirits-event+xml  
# application/sql  
application/srgs gram  
application/srgs+xml grxml  
application/sru+xml sru  
application/ssdl+xml ssdl  
application/ssml+xml ssml  
# application/tamp-apex-update  
# application/tamp-apex-update-confirm  
# application/tamp-community-update  
#  
application/tamp-community-update-confirm  
# application/tamp-error  
# application/tamp-sequence-adjust  
# application/tamp-sequence-adjust-confirm  
# application/tamp-status-query  
# application/tamp-status-response  
# application/tamp-update  
# application/tamp-update-confirm  
application/tei+xml tei teicorpus

application/thraud+xml tfi  
# application/timestamp-query  
# application/timestamp-reply  
application/timestamped-data tsd  
# application/ttml+xml  
# application/tve-trigger  
# application/ulpfec  
# application/urc-grpsheet+xml  
# application/urc-ressheet+xml  
# application/urc-targetdesc+xml  
# application/urc-uisocketdesc+xml  
# application/vcard+json  
# application/vcard+xml  
# application/vemmi  
# application/vividence.scriptfile  
# application/vnd.3gpp-prose+xml  
# application/vnd.3gpp-prose-pc3ch+xml  
# application/vnd.3gpp.access-transfer-events+xml  
# application/vnd.3gpp.bsf+xml  
# application/vnd.3gpp.mid-call+xml  
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application/vnd.3gpp.pic-bw-small psb  
application/vnd.3gpp.pic-bw-var pvb  
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# application/vnd.3gpp.sms+xml  
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# application/vnd.3gpp.srvcc-info+xml  
# application/vnd.3gpp.state-and-event-info+xml  
# application/vnd.3gpp.ussd+xml  
# application/vnd.3gpp2.bcmsginfo+xml  
# application/vnd.3gpp2.sms  
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# application/vnd.3lightssoftware.imagescal  
application/vnd.3m.post-it-notes pwn  
application/vnd.accpac.simply.aso aso  
application/vnd.accpac.simply.imp imp  
application/vnd.acucobol acu  
application/vnd.acucorp atc acutc  
application/vnd.adobe.air-application-installer-package+zip air  
# application/vnd.adobe.flash.movie  
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application/vnd.adobe.fxp fxp fxpl  
# application/vnd.adobe.partial-upload  
application/vnd.adobe.xdp+xml xdp  
application/vnd.adobe.xfdf xfdf  
# application/vnd.aether.imp  
# application/vnd.ah-barcode



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application/vnd.airzip.filesecure.azs azs  
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application/vnd.amiga.ami ami  
# application/vnd.amundsen.maze+xml  
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# application/vnd.anki  
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application/vnd.anser-web-funds-transfer-initiation fti  
application/vnd.antix.game-component atx  
# application/vnd.apache.thrift.binary  
# application/vnd.apache.thrift.compact  
# application/vnd.apache.thrift.json  
# application/vnd.api+json  
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application/vnd.apple.mpegurl m3u8  
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application/vnd.aristanetworks.swi swi  
# application/vnd.artsquare  
application/vnd.astraea-software.iota iota  
application/vnd.audiograph aep  
# application/vnd.autopackage  
# application/vnd.avistar+xml  
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# application/vnd.biopax.rdf+xml  
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# application/vnd.bluetooth.le.oob  
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application/vnd.crick.clicker.wordbank clkw  
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# application/vnd.cups-postscript  
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# application/vnd.cups-raster  
# application/vnd.cups-raw  
# application/vnd.curl  
application/vnd.curl.car car  
application/vnd.curl.pcurl pcurl  
# application/vnd.cyan.dean.root+xml  
# application/vnd.cybank  
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# application/vnd.document+json

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# application/vnd.dolby.mobile.2  
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application/vnd.dpgraph dpg  
application/vnd.dreamfactory dfac  
# application/vnd.drive+json  
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# application/vnd.dvb.dvbj  
# application/vnd.dvb.esgcontainer  
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# application/vnd.dvb.iptv.alfec-enhancement  
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# application/vnd.dvb.notif-generic+xml  
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# application/vnd.dvb.notif-ia-registration-response+xml  
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# application/vnd.dzr  
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# application/vnd.ecdis-update  
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# application/vnd.etsi.tsl+xml  
# application/vnd.etsi.tsl.der  
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application/vnd.ezpix-package ez3  
# application/vnd.f-secure.mobile  
# application/vnd.fastcopy-disk-image  
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application/vnd.fdsn.seed seed dataless  
# application/vnd.ffmpeg  
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# application/vnd.fints  
# application/vnd.firemonkeys.cloudcell  
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application/vnd.fluxtime.clip ftc  
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# application/vnd.geo+json  
# application/vnd.geocube+xml  
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application/vnd.geogebra.tool ggt  
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application/vnd.geoplan g2w  
application/vnd.geospace g3w  
# application/vnd.gerber  
# application/vnd.globalplatform.card-content-mgt  
# application/vnd.globalplatform.card-content-mgt-response  
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# application/vnd.gridmp  
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application/vnd.groove-help ghf  
application/vnd.groove-identity-message gim  
application/vnd.groove-injector grv  
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application/vnd.hal+json  
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application/vnd.handheld-entertainment+xml zmm  
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# application/vnd.hcl-bireports

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application/vnd.heroku+json
application/vnd.hhe.lesson-player les
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application/vnd.hp-jlyt jlt
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application/vnd.ibm.modcap afp listafp list3820
application/vnd.ibm.rights-management irm
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icm
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application/vnd.ims.lti.v2.toolsettings+json
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# application/vnd.iptc.g2.conceptitem+xml  
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# application/vnd.iptc.g2.packageitem+xml  
# application/vnd.iptc.g2.planningitem+xml  
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application/vnd.isac.fcs fcs  
application/vnd.jam jam  
# application/vnd.japannet-directory-service  
# application/vnd.japannet-jpnstore-wakeup  
# application/vnd.japannet-payment-wakeup  
# application/vnd.japannet-registration  
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application/vnd.lotus-approach apr  
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application/vnd.mediatation.cdkey cdkey  
# application/vnd.meridian-slideshow  
application/vnd.mfer mwf  
application/vnd.mfmp mfm  
# application/vnd.micro+json  
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# application/vnd.motorola.flexsuite.gotap  
# application/vnd.motorola.flexsuite.kmr  
# application/vnd.motorola.flexsuite.ttc  
# application/vnd.motorola.flexsuite.wem  
# application/vnd.motorola.iprm  
application/vnd.mozilla.xul+xml xul  
# application/vnd.ms-3mfdocument  
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# application/vnd.ms-asf  
application/vnd.ms-cab-compressed cab



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application/vnd.ms-color.iccprofile
application/vnd.ms-excel xls xlm xla xlc xlt xlw
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application/vnd.ms-excel.sheet.binary.macroenabled.12 xlsb
application/vnd.ms-excel.sheet.macroenabled.12 xlsx
application/vnd.ms-excel.template.macroenabled.12 xltm
application/vnd.ms-fontobject eot
application/vnd.ms-htmlhelp chm
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application/vnd.ms-wmdrm.meter-chlg-req
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application/vnd.mseq mseq
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application/vnd.multiad.creator.cif
```

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application/vnd.music-niff
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application/vnd.oasis.opendocument.chart odc
application/vnd.oasis.opendocument.chart-template otc
application/vnd.oasis.opendocument.database odb
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# application/vnd.oipf.contentaccessstreaming+xml  
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# application/vnd.oipf.dae.svg+xml  
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application/vnd.oipf.dae.xhtml+xml  
# application/vnd.oipf.mippvcontrolmessage+xml  
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# application/vnd.oipf.spdlist+xml  
# application/vnd.oipf.ueprofile+xml  
# application/vnd.oipf.userprofile+xml  
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# application/vnd.oma.bcast.drm-trigger+xml  
# application/vnd.oma.bcast.imd+xml  
# application/vnd.oma.bcast.ltkm  
# application/vnd.oma.bcast.notification+xml  
# application/vnd.oma.bcast.provisioningtrigger  
# application/vnd.oma.bcast.sgboot  
# application/vnd.oma.bcast.sgdd+xml  
# application/vnd.oma.bcast.sgdu  
# application/vnd.oma.bcast.simple-symbol-container  
# application/vnd.oma.bcast.smartcard-trigger+xml  
# application/vnd.oma.bcast.sprov+xml  
# application/vnd.oma.bcast.stkm  
# application/vnd.oma.cab-address-book+xml  
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application/vnd.oma.cab-feature-handler+xml  
# application/vnd.oma.cab-pcc+xml  
# application/vnd.oma.cab-sub-invite+xml  
# application/vnd.oma.cab-user-prefs+xml  
# application/vnd.oma.dcd

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application/vnd.oma.dcdc
application/vnd.oma.dd2+xml dd2
application/vnd.oma.drm.risd+xml
application/vnd.oma.group-usage-list+xml
application/vnd.oma.lwm2m+json
application/vnd.oma.lwm2m+tlv
application/vnd.oma.pal+xml
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application/vnd.oma.poc.final-report+xml
application/vnd.oma.poc.groups+xml
application/vnd.oma.poc.invocation-descriptor+xml
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application/vnd.oma.push
application/vnd.oma.scidm.messages+xml
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# application/vnd.openxmlformats-officedocument.presentationml.tags+xml  
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# application/vnd.openxmlformats-officedocument.presentationml.template.main+xml  
# application/vnd.openxmlformats-officedocument.presentationml.viewprops+xml  
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# application/vnd.openxmlformats-officedocument.theme+xml  
# application/vnd.openxmlformats-officedocument.themeoverride+xml  
# application/vnd.openxmlformats-officedocument.vmldrawing  
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# application/vnd.openxmlformats-officedocument.wordprocessingml.footer+xml  
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# application/vnd.openxmlformats-officedocument.wordprocessingml.numbering+xml

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application/vnd.openxmlformats-package.relationships+xml
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application/vnd.osgeo.mapguide.package mgp
application/vnd.osgi.bundle
application/vnd.osgi.dp dp
application/vnd.osgi.subsystem esa
#
application/vnd.otp.ct-kip+xml
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application/vnd.pcos
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application/vnd.pmi.widget wg
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application/vnd.powerbuilder75-s
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application/vnd.previewsystems.box box
application/vnd.proteus.magazine mgz
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```

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# application/vnd.radisys.msml-audit-conn+xml  
# application/vnd.radisys.msml-audit-dialog+xml  
# application/vnd.radisys.msml-audit-stream+xml  
# application/vnd.radisys.msml-conf+xml  
# application/vnd.radisys.msml-dialog+xml  
# application/vnd.radisys.msml-dialog-base+xml  
# application/vnd.radisys.msml-dialog-fax-detect+xml  
# application/vnd.radisys.msml-dialog-fax-sendrecv+xml  
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# application/vnd.radisys.msml-dialog-speech+xml  
# application/vnd.radisys.msml-dialog-transform+xml  
# application/vnd.rainstor.data  
# application/vnd.rapid  
# application/vnd.rar  
application/vnd.realvnc.bed bed  
application/vnd.recordare.musicxml mxl  
application/vnd.recordare.musicxml+xml musicxml  
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application/vnd.renlearn.rlprint  
application/vnd.rig.cryptonote cryptonote  
application/vnd.rim.cod cod  
application/vnd.rn-realmedia rm  
application/vnd.rn-realmedia-vbr rmvb  
application/vnd.route66.link66+xml link66  
# application/vnd.rs-274x  
# application/vnd.ruckus.download  
# application/vnd.s3sms  
application/vnd.sailingtracker.track st  
# application/vnd.sbm.cid  
# application/vnd.sbm.mid2  
# application/vnd.scribus  
# application/vnd.sealed.3df  
# application/vnd.sealed.csf  
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application/vnd.sema sema  
application/vnd.semd semd  
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application/vnd.shana.informed.formtemplate itp  
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application/vnd.shana.informed.package ipk  
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twds  
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application/vnd.smaf mmf  
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application/vnd.spotfire.sfs sfs  
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# application/vnd.sss-ntf  
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application/vnd.stardivision.math smf  
application/vnd.stardivision.writer sdw vor  
application/vnd.stardivision.writer-global sgl  
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application/vnd.stepmania.stepchart sm  
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application/vnd.sun.xml.impress.template sti  
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application/vnd.sun.xml.writer.template stw  
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susp  
application/vnd.svd svd  
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application/vnd.syncml+xml xsm  
application/vnd.syncml.dm+wbxml bdm



application/vnd.syncml.dm+xml xdm  
# application/vnd.syncml.dm.notification  
# application/vnd.syncml.dmddf+wbxml  
# application/vnd.syncml.dmddf+xml  
# application/vnd.syncml.dmtnds+wbxml  
# application/vnd.syncml.dmtnds+xml  
# application/vnd.syncml.ds.notification  
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# application/vnd.uplanet.list-wbxml  
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# application/vnd.vd-study  
# application/vnd.vectorworks  
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# application/vnd.vidsoft.vidconference  
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application/vnd.visionary vis  
# application/vnd.vividence.scriptfile

application/vnd.vsf vsf  
# application/vnd.wap.sic  
# application/vnd.wap.slc  
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application/vnd.wap.wmlc wmlc  
application/vnd.wap.wmlscriptc wmlsc  
application/vnd.webturbo wtb  
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# application/vnd.wfa.wsc  
# application/vnd.windows.devicepairing  
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# application/vnd.wv.csp+xml  
# application/vnd.wv.ssp+xml  
# application/vnd.xacml+json  
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# application/vnd.xfdl.webform  
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application/vnd.xmi+xml  
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# application/vnd.xmpie.dpkg  
# application/vnd.xmpie.plan  
# application/vnd.xmpie.ppkg  
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application/vnd.yamaha.smaf-phrase spf  
# application/vnd.yamaha.through-ngn  
# application/vnd.yamaha.tunnel-udpencap  
# application/vnd.yaoweme  
application/vnd.yellowriver-custom-menu cmp  
application/vnd.zul zir zirz  
application/vnd.zzazz.deck+xml zaz  
application/voicexml+xml vxml

```
application/vq-rtcpvr
application/watcherinfo+xml
application/whoispp-query
application/whoispp-response
application/widget wgt
application/winhelp hlp
application/wita
application/wordperfect5.1
application/wsdl+xml wsdl
application/wspolicy+xml wspolicy
application/x-7z-compressed 7z
application/x-abiword abw
application/x-ace-compressed ace
#
application/x-amf
application/x-apple-diskimage dmg
application/x-authorware-bin aab x32 u32 vox
application/x-authorware-map aam
application/x-authorware-seg aas
application/x-bcpio bcpio
application/x-bittorrent torrent
application/x-blorb blb blorb
application/x-bzip bz
application/x-bzip2 bz2 boz
application/x-cbr cbr cba cbt cbz cb7
application/x-cdlink vcd
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application/x-chat chat
application/x-chess-pgn pgn
application/x-compress
application/x-conference nsc
application/x-cpio cpio
application/x-csh csh
application/x-debian-package deb udeb
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application/x-director dir dcr dxr cst cct ext w3d fgd swa
application/x-doom wad
application/x-dtbncx+xml ncx
application/x-dtbook+xml dtb
application/x-dtbresource+xml res
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application/x-envoy evy
application/x-eva eva
application/x-font-bdf bdf
#
application/x-font-dos
application/x-font-framemaker
application/x-font-ghostscript gsf
```

# application/x-font-libgrx  
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application/x-font-otf otf  
application/x-font-pcf pcf  
application/x-font-snf snf  
# application/x-font-speedo  
# application/x-font-sunos-news  
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application/x-font-type1 pfa pfb pfm afm  
# application/x-font-vfont  
application/x-freearc arc  
application/x-futuresplash spl  
application/x-gca-compressed gca  
application/x-glulx ulx  
application/x-gnumeric gnumeric  
application/x-gramps-xml gramps  
application/x-gtar gtar  
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application/x-hdf hdf  
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application/x-iso9660-image iso  
application/x-java-jnlp-file jnlp  
application/x-latex latex  
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application/x-mobipocket-ebook prc  
mobi  
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application/x-ms-wmz wmz  
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application/x-msaccess mdb  
application/x-msbinder obd  
application/x-mscardfile crd  
application/x-msclip clp  
application/x-msdownload exe dll com bat msi  
application/x-msmediaview mvb m13 m14  
application/x-msmetafile wmf wmz emf emz  
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application/x-mswrite wri  
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application/x-shar shar  
application/x-shockwave-flash swf  
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application/x-stuffitx sitx  
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application/x-tar tar  
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application/x-tex tex  
application/x-tex-tfm tfm  
application/x-texinfo texinfo  
texi  
application/x-tgif obj  
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application/x-x509-ca-cert der crt  
application/x-xfig fig  
application/x-xliff+xml xlf  
application/x-xpinstall xpi  
application/x-xz xz  
application/x-zmachine z1 z2 z3 z4 z5 z6 z7 z8  
# application/x400-bp  
# application/xacml+xml  
application/xaml+xml xaml  
# application/xcap-att+xml  
# application/xcap-caps+xml  
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# application/xcap-el+xml  
# application/xcap-error+xml  
# application/xcap-ns+xml  
# application/xcon-conference-info+xml  
# application/xcon-conference-info-diff+xml  
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xht  
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application/yin+xml yin
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application/zlib
audio/1d-interleaved-parityfec
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audio/3gpp2
audio/ac3
audio/adpcm adp
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audio/atrac3
audio/basic au snd
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audio/evrc
audio/evrc-qcp
audio/evrc0
audio/evrc1
#
audio/evrcb
audio/evrcb0
```

# audio/evrcb1  
# audio/evrcnw  
# audio/evrcnw0  
# audio/evrcnw1  
# audio/evrcwb  
# audio/evrcwb0  
# audio/evrcwb1  
# audio/evs  
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# audio/g719  
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# audio/g7221  
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# audio/g729  
# audio/g7291  
# audio/g729d  
# audio/g729e  
# audio/gsm  
# audio/gsm-efr  
# audio/gsm-hr-08  
# audio/ilbc  
# audio/ip-mr\_v2.5  
# audio/isac  
# audio/l16  
# audio/l20  
# audio/l24  
# audio/l8  
# audio/lpc  
audio/midi mid midi kar rmi  
# audio/mobile-xmf  
audio/mp4 m4a mp4a  
# audio/mp4a-latm  
# audio/mpa  
# audio/mpa-robust  
audio/mpeg mpga mp2 mp2a mp3 m2a m3a  
# audio/mpeg4-generic  
# audio/musepack  
audio/ogg oga ogg spx  
# audio/opus  
# audio/parityfec  
# audio/pcma

# audio/pcma-wb  
# audio/pcmu  
# audio/pcmu-wb  
# audio/prs.sid  
# audio/qcelp  
# audio/raptorfec  
# audio/red  
# audio/rtp-enc-aescm128  
# audio/rtp-midi  
# audio/rtploopback  
# audio/rtx  
audio/s3m s3m  
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#  
audio/smv  
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# audio/sp-midi  
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audio/x-pn-realaudio-plugin rmp  
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chemical/x-cif cif  
chemical/x-cmdf cmdf  
chemical/x-cml cml  
chemical/x-csml csml  
# chemical/x-pdb  
chemical/x-xyz xyz  
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image/cgm cgm  
# image/dicom-rle  
# image/emf  
# image/example  
# image/fits  
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image/gif gif  
image/ief ief  
# image/jls  
# image/jp2  
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# image/jpm  
# image/jpx  
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image/x-freehand fh
fhc fh4 fh5 fh7
image/x-icon ico
image/x-mrsid-image sid
image/x-pcx pcx
image/x-pict pic pct
image/x-portable-anymap pnm
image/x-portable-bitmap pbm
image/x-portable-graymap pgm
image/x-portable-pixmap ppm
image/x-rgb rgb
image/x-tga tga
image/x-xbitmap xbm
image/x-xpixmap xpm
image/x-xwindowdump xwd
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message/delivery-status
message/disposition-notification
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message/global
message/global-delivery-status
message/global-disposition-notification
message/global-headers
message/http
message/imdn+xml
message/news
message/partial
message/rfc822 eml mime
message/s-http
message/sip
message/sipfrag
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model/vnd.vtu vtu
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model/x3d+xml x3d x3dz
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multipart/form-data
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multipart/mixed
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multipart/related
multipart/report
multipart/signed
multipart/voice-message
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text/enriched
text/example
```

```
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text/markdown
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text/n3 n3
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text/rtx
text/sgml sgml sgm
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text/tab-separated-values tsv
text/troff t tr roff man me ms
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# video/3gpp-tt  
video/3gpp2 3g2  
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# video/h264-rcdo  
# video/h264-svc  
# video/h265  
# video/iso.segment

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# video/jpeg2000  
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# video/mp2p  
# video/mp2t  
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# video/mp4v-es  
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# video/mpeg4-generic  
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# video/vnd.radgamettools.smacker  
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# video/vnd.sealed.mpeg4  
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# video/vnd.sealedmedia.softseal.mov  
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video/vnd.vivo viv  
# video/vp8  
video/webm webm  
video/x-f4v f4v  
video/x-fli fli  
video/x-flv flv  
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video/x-matroska mkv mk3d mks  
video/x-mng mng  
video/x-ms-asf asf asx  
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video/x-ms-wmv wmv  
video/x-ms-wmx wmx  
video/x-ms-wvx wvx  
video/x-msvideo avi  
video/x-sgi-movie movie  
video/x-smv smv  
x-conference/x-cooltalk ice

#### Found

in path(s):

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/mime.types

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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/context/support/ServletContextResourceLoader.java  
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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
jar/org/springframework/web/multipart/MultipartHttpServletRequest.java  
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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/server/ServerHttpResponse.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/HttpMediaTypeException.java  
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\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java  
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Found in path(s):

\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/ZeroCopyHttpOutputMessage.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-jar/org/springframework/http/codec/protobuf/ProtobufCodecSupport.java

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/opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
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jar/org/springframework/web/client/ResponseExtractor.java  
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jar/org/springframework/http/converter/HttpMessageNotReadableException.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
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jar/org/springframework/http/server/reactive/UndertowHttpHandlerAdapter.java  
\* /opt/cola/permits/1135892437\_1613626879.4/0/spring-web-5-2-10-release-sources-  
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*/
/**
* Return the web session for the current request. Always guaranteed to
* return an instance either matching to the session id requested by the
* client, or with a new session id either because the client did not
* specify one or because the underlying session had expired. Use of this
* method
does not automatically create a session. See { @link WebSession }
* for more details.
*/
```

Found in path(s):

```
* /opt/cola/permits/1135892437_1613626879.4/0/spring-web-5-2-10-release-sources-
jar/org/springframework/web/server/ServerWebExchange.java
```

# 1.165 spring-tx 5.2.10.RELEASE

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```
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jar/org/springframework/jdbc/support/incrementer/DB2MainframeSequenceMaxValueIncrementer.java
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/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/xml/SqlXmlValue.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/init/ScriptStatementFailedException.java  
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/opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/init/CompositeDatabasePopulator.java

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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/init/CannotReadScriptException.java

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/opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/incrementer/HsqlMaxValueIncrementer.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/rowset/SqlRowSetMetaData.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/incrementer/SqlServerMaxValueIncrementer.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/init/UncategorizedScriptException.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/ConnectionProperties.java

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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
* @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
* Create a Map of input parameters, keyed by name.
* @param con a JDBC connection. This is useful (and the purpose of this interface)
* if we need to do something RDBMS-specific with a proprietary Connection
* implementation class. This class conceals such proprietary details. However,
* it is best to avoid using such proprietary RDBMS features if possible.
* @return a Map of input parameters, keyed by name (never { @code null })
* @throws SQLException if an SQLException is encountered setting
* parameter values (that is, there's no need to catch SQLException)
*/

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Found in path(s):

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* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/ParameterMapper.java

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 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/DelegatingDataSource.java

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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/lob/DefaultLobHandler.java

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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/H2EmbeddedDatabaseConfigurer.java

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/opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/SqlReturnUpdateCount.java

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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/IncorrectResultSetColumnCountException.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/UserCredentialsDataSourceAdapter.java

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jar/org/springframework/jdbc/core/SqlInOutParameter.java  
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 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-  
 jar/org/springframework/jdbc/CannotGetJdbcConnectionException.java  
 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-  
 jar/org/springframework/jdbc/core/SqlRowSetResultSetExtractor.java  
 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-  
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 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-  
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 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-  
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 \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-  
 jar/org/springframework/jdbc/core/metadata/TableMetaDataContext.java  
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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcDaoSupport.java

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/opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/config/DatabasePopulatorConfigUtils.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/object/SqlQuery.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/SqlOutParameter.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/OutputStreamFactory.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/RowCountCallbackHandler.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/JdbcAccessor.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/GeneratedKeyHolder.java

\*

/opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/lob/TemporaryLobCreator.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/IsolationLevelDataSourceAdapter.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-

```

jar/org/springframework/jdbc/core/StatementCallback.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/simple/SimpleJdbcCallOperations.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/SybaseAnywhereMax ValueIncrementer.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/support/AbstractInterruptibleBatchPreparedStatementSetter.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/ParameterizedPreparedStatementSetter.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/AbstractIdentityColumnMax ValueIncrementer.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/PostgreSQLSequenceMax ValueIncrementer.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/NamedParameterBatchUpdateUtils.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/PostgresTableMetaDataProvider.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSetMetaData.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/object/GenericSqlQuery.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/Db2LuwMax ValueIncrementer.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/HanaCallMetaDataProvider.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/ConnectionCallback.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistrar.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/ResultSetSupportingSqlParameter.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/SqlReturnResultSet.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/object/SqlCall.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/HsqlTableMetaDataProvider.java
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* limitations under the License.
*/
/**
* Strategy interface for translating between { @link SQLException SQLExceptions }
* and Spring's data access strategy-agnostic { @link DataAccessException }
* hierarchy.
*
* <p>Implementations can be generic (for example, using
* { @link java.sql.SQLException#getSQLState() SQLState } codes for JDBC) or
* wholly
* proprietary (for example, using Oracle error codes) for greater precision.
*
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

```

Found in path(s):

```

* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
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* limitations under the License.
*/
/**
* Close this LobCreator session and free its temporarily created BLOBs and CLOBs.

```

- \* Will not need to do anything if using PreparedStatement's standard methods,
- \* but might be necessary to free database resources if using proprietary means.
- \* `<p><b>NOTE</b>`: Needs to be invoked after the involved

PreparedStatement's have

- \* been executed or the affected O/R mapping sessions have been flushed.
- \* Otherwise, the database resources for the temporary BLOBs might stay allocated.
- \*/

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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/lob/LobCreator.java

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\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/namedparam/AbstractSqlParameterSource.java

\*

/opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/object/SqlFunction.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/init/ResourceDatabasePopulator.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/SQLStateSQLExceptionTranslator.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/namedparam/SqlParameterSource.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/JdbcTransactionObjectSupport.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/KeyHolder.java

\* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-



```
jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/simple/AbstractJdbcCall.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/CustomSQLExceptionTranslatorRegistry.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/PreparedStatementCreatorFactory.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/object/RdbmsOperation.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/rowset/SqlRowSet.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSet.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/MapSqlParameterSource.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
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```

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```
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/CallParameterMetaData.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/SimpleDriverDataSource.java
```

```

*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/JdbcUtils.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/SQLErrorCodesFactory.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/embedded/DataSourceFactory.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/SingleConnectionDataSource.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/init/DatabasePopulatorUtils.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/JdbcTemplate.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/support/SQLErrorCodeSQLExceptionTranslator.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/ParsedSql.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcTemplate.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/embedded/AbstractEmbeddedDatabaseConfigurer.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/SqlProvider.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/JdbcOperations.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/TableMetaDataProviderFactory.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/GenericCallMetaDataProvider.java
*
/opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/CallMetaDataContext.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/StatementCreatorUtils.java

```

```
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/CallMetaDataProviderFactory.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/SqlReturnTypes.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/core/SingleColumnRowMapper.java
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/datasource/lookup/AbstractRoutingDataSource.java
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```

```
/**
```

```
* The classes in this package make JDBC easier to use and
* reduce the likelihood of common errors. In particular, they:
*
* Simplify error handling, avoiding the need for try/catch/finally
* blocks in application code.
* Present exceptions to application code in a generic hierarchy of
* unchecked exceptions, enabling applications to catch data access
* exceptions without being dependent on JDBC, and to ignore fatal
* exceptions there is no value in catching.
* Allow the implementation of error handling to be modified
* to target different RDBMSes without introducing proprietary
* dependencies into application code.
*
*
* <p>This package and related packages are discussed in Chapter 9 of
* Expert One-On-One J2EE Design and
Development
* by Rod Johnson (Wrox, 2002).
*/
```

```
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```

```
* /opt/cola/permits/1135892490_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-
jar/org/springframework/jdbc/package-info.java
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```

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- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/SQLWarningException.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/object/GenericStoredProcedure.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/incrementer/AbstractSequenceMaxValueIncrementer.java
- \*
- /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/xml/SqlXmlFeatureNotImplementedException.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/config/JdbcNamespaceHandler.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/xml/XmlBinaryStreamProvider.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/SimpleDriverDataSourceFactory.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/SqlValue.java
- \*
- /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/xml/XmlResultProvider.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/InterruptibleBatchPreparedStatementSetter.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/core/BatchPreparedStatementSetter.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/MetaDataAccessException.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/SmartDataSource.java
- \*
- /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/support/xml/XmlCharacterStreamProvider.java
- \* /opt/cola/permits/1135892490\_1613626874.06/0/spring-jdbc-5-2-10-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/JndiDataSourceLookup.java

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## 1.168.1 Available under license :

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jar/org/springframework/beans/factory/xml/BeanDefinitionDocumentReader.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
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```

Found in path(s):

```
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/annotation/Autowired.java
```

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Found in path(s):

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* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/BeanMetadataAttribute.java
*
 /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/config/PropertyPathFactoryBean.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/ConfigurablePropertyAccessor.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/config/MapFactoryBean.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/config/ServiceLocatorFactoryBean.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/config/PropertiesFactoryBean.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/propertyeditors/PropertiesEditor.java
*
 /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/propertyeditors/PatternEditor.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/xml/DocumentDefaultsDefinition.java
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
jar/org/springframework/beans/factory/ListableBeanFactoryExtensions.kt
* /opt/cola/permits/1135892324_1613626850.84/0/spring-beans-5-2-10-release-sources-
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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java

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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionValidationException.java

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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/PropertyEditorRegistrar.java  
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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java  
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- \* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/annotation/Autowired.java
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- \* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/config/RuntimeBeanReference.java
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- \* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/annotation/AnnotationBeanUtils.java
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- \* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/TypeConverterSupport.java
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jar/org/springframework/beans/factory/config/PlaceholderConfigurerSupport.java

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/opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/SmartFactoryBean.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/parsing/CompositeComponentDefinition.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/support/ManagedArray.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/PropertyMatches.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/propertyeditors/CustomNumberEditor.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/config/MethodInvokingFactoryBean.java  
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/opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/Aware.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/xml/DefaultDocumentLoader.java  
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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionOverrideException.java  
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/opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/parsing/BeanComponentDefinition.java  
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jar/org/springframework/beans/factory/support/BeanNameGenerator.java  
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jar/org/springframework/beans/PropertyValuesEditor.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-  
jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-  
jar/org/springframework/beans/factory/serviceloader/ServiceLoaderFactoryBean.java

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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/xml/UtilNamespaceHandler.java

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\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-jar/org/springframework/beans/factory/BeanInitializationException.java

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jar/org/springframework/beans/factory/config/Scope.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-  
jar/org/springframework/beans/factory/config/BeanDefinitionCustomizer.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-  
jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java  
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jar/org/springframework/beans/propertyeditors/FileEditor.java  
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jar/org/springframework/beans/propertyeditors/ZoneIdEditor.java  
\* /opt/cola/permits/1135892324\_1613626850.84/0/spring-beans-5-2-10-release-sources-  
jar/org/springframework/beans/support/ResourceEditorRegistrar.java

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Refactored SqlBuilder class (SQL, AbstractSQL)

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# 1.186 java-atk-wrapper 0.33.2-6.el8

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## 1.187 error\_prone\_annotations 2.1.3

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# 1.188 libtasn 4.13-3.e18

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

# 1.193 distlib 0.2.4

## 1.193.1 Available under license :

### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |

|       |           |           |     |     |
|-------|-----------|-----------|-----|-----|
| 2.0.1 | 2.0+1.6.1 | 2001      | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001      | PSF | yes |
| 2.2   | 2.1.1     | 2001      | PSF | yes |
| 2.1.2 | 2.1.1     | 2002      | PSF | yes |
| 2.1.3 |           |           |     |     |
| 2.1.2 | 2002      | PSF       | yes |     |
| 2.2.1 | 2.2       | 2002      | PSF | yes |
| 2.2.2 | 2.2.1     | 2002      | PSF | yes |
| 2.2.3 | 2.2.2     | 2003      | PSF | yes |
| 2.3   | 2.2.2     | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3       | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1     | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2     | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3     | 2004      | PSF | yes |
| 2.3.5 | 2.3.4     | 2005      | PSF | yes |
| 2.4   | 2.3       | 2004      | PSF | yes |
| 2.4.1 | 2.4       | 2005      | PSF | yes |
| 2.4.2 | 2.4.1     | 2005      | PSF | yes |
| 2.4.3 | 2.4.2     | 2006      | PSF | yes |
| 2.4.4 | 2.4.3     | 2006      | PSF | yes |
| 2.5   | 2.4       | 2006      | PSF | yes |
| 2.5.1 | 2.5       | 2007      | PSF | yes |
| 2.5.2 | 2.5.1     | 2008      | PSF | yes |
| 2.5.3 | 2.5.2     | 2008      | PSF | yes |
| 2.6   | 2.5       | 2008      | PSF | yes |
| 2.6.1 | 2.6       | 2008      | PSF | yes |
| 2.6.2 | 2.6.1     | 2009      | PSF | yes |
| 2.6.3 | 2.6.2     | 2009      | PSF | yes |
| 2.6.4 | 2.6.3     | 2009      | PSF | yes |
| 2.6.5 | 2.6.4     | 2010      | PSF | yes |
| 3.0   | 2.6       | 2008      | PSF | yes |
| 3.0.1 | 3.0       | 2009      | PSF | yes |
| 3.1   | 3.0.1     | 2009      | PSF | yes |
| 3.1.1 | 3.1       | 2009      | PSF | yes |
| 3.1.2 | 3.1       | 2010      | PSF | yes |
| 3.2   | 3.1       | 2010      | PSF | yes |

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=====

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distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,  
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# 1.195 urllib3 1.22

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# Contributions to the urllib3 project

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- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- \* NTLM-authenticated HTTPSConnectionPool
- \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
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- \* Client-verified SSL certificates for HTTPSConnectionPool
- \* Response gzip and deflate encoding support
- \* Better unicode support for filepost using StringIO buffers
  
- \* btoconnor <brian@btoconnor.net>
- \* Non-multipart encoding for POST requests
  
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- \* IPv6 url support and test coverage
  
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- \* Support for explicitly closing pooled connections
  
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- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
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- \* Cory Benfield
- <<http://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
- \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- \* Fixed a race condition
  
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- \* Stephen Holsapple <sholsapp@gmail.com>
- \* Added abstraction for granular control of request fields
  
- \* Martin von Gagern <Martin.vGagern@gmx.net>
- \* Support for non-ASCII header parameters
  
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <<http://dbrgn.ch/>>
- \* Disabled TLS compression by default on Python 3.2+
- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
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- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
- \* Use the platform-specific CA certificate locations

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  - \* HTTPHeaderDict and associated tests and docs
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- \* Arthur Grunseid <<http://grunseid.com>>
  - \* source\_address support and tests (with <https://github.com/bui>)
  
- \* Ian Cordasco <[graffatcolmingov@gmail.com](mailto:graffatcolmingov@gmail.com)>
  - \* PEP8 Compliance and Linting
  - \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <[erik.tollerud@gmail.com](mailto:erik.tollerud@gmail.com)>
  - \* Support for standard library io module.
  
- \* Krishna Prasad <[kprasad.iitd@gmail.com](mailto:kprasad.iitd@gmail.com)>
  - \* Google App Engine documentation
  
- \* Aaron Meurer <[asmeurer@gmail.com](mailto:asmeurer@gmail.com)>
  - \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <[abacabadabacaba@gmail.com](mailto:abacabadabacaba@gmail.com)>
  - \* Bugfixes
  
- \* Benjamin Meyer <[bm\\_witness@yahoo.com](mailto:bm_witness@yahoo.com)>
  - \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <[github@sornars.com](mailto:github@sornars.com)>
  - \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <[alex.gaynor@gmail.com](mailto:alex.gaynor@gmail.com)>
  - \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <[ttomecek@redhat.com](mailto:ttomecek@redhat.com)>
  - \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <<https://github.com/tlynn>>
  - \* Respect the warning preferences at import.
  
- \* David D. Riddle <[ddriddle@illinois.edu](mailto:ddriddle@illinois.edu)>
  - \* IPv6 bugfixes in testsuite
  
- \* Jon Wayne Parrott <[jonwayne@google.com](mailto:jonwayne@google.com)>
  - \* App Engine environment tests.

- \* John Krauss <<https://github.com/talos>>
- \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <<https://github.com/Disassem>>
- \* Fix pool-default headers not applying for url-encoded requests like GET.
  
- \* James Atherfold <[jlatherfold@hotmail.com](mailto:jlatherfold@hotmail.com)>
- \* Bugfixes relating to cleanup of connections during errors.
  
- \* Christian Pedersen <<https://github.com/chripede>>
- \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <<https://github.com/jmoldow>>
- \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
- \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <<https://github.com/obi1kenobi>>
- \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <<https://github.com/a-tal>>
- \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <<https://evanmeagher.net>>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <[jayvdb@gmail.com](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <[jesse@jesseshapiro.net](mailto:jesse@jesseshapiro.net)>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <<http://dafoster.net/>>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <[jeremy@jcline.org](mailto:jeremy@jcline.org)>

- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <palaviv@gmail.com>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <nate.prewitt@gmail.com>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <sethmichaellarson@protonmail.com>
- \* Created selectors  
backport that supports PEP 475.
  
- \* Alexandre Dias <alex.dias@smarkets.com>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <moin18@gmail.com>
- \* Lazily load idna package
  
- \* Tom White <s6yg1ez3@mail2tor.com>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <tim.burke@gmail.com>
- \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <erik@mozilla.com>
- \* Bugfix to pyopenssl vendoring
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

## 1.196 python-pip 9.0.3

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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Any executables

containing that work also fall under Section 6,

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\* /opt/cola/permits/1169452232\_1663227809.72844/0/saaj-impl-1-4-0-b03-sources-  
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jar/com/sun/xml/messaging/saaj/soap/ver1\_2/Body1\_2Impl.java  
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\* /opt/cola/permits/1169452232\_1663227809.72844/0/saaj-impl-1-4-0-b03-sources-  
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jar/com/sun/xml/messaging/saaj/packaging/mime/util/QPEncoderStream.java  
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jar/com/sun/xml/messaging/saaj/util/LogDomainConstants.java  
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jar/com/sun/xml/messaging/saaj/util/stax/LazyEnvelopeStaxReader.java
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\* /opt/cola/permits/1169452232\_1663227809.72844/0/saaj-impl-1-4-0-b03-sources-jar/com/sun/xml/messaging/saaj/soap/EnvelopeFactory.java

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## 1.213 openosc 1.0.5

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## 1.216 lz4 1.8.3-3.el8\_4

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## 1.218 shim 15-2.el7

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## 1.220 newt 0.52.20-11.el8

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## 1.222 gdkpixbuf 2.36.12-5.el8

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## 1.224 ca-certificates 2021.2.50-80.0.el8\_4

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## 1.225 tdb 1.45.6

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```
#
This is a Makefile stub which handles the creation of BSD shared
libraries.
#
In order to use this stub, the following makefile variables must be defined.
#
BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
```

```
install-strip: install
```

```
install-shlibs-strip:: install-shlibs
```

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell            2005
- + Copyright (C) Andrew Tridgell            1999-2005
- + Copyright (C) Jeremy Allison            2000-2006
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Gadi Oxman, August 1995

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```

```
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```

```
<signature of Ty Coon>, 1 April 1989
```

```
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Theodore Ts'o  
23-June-2007

-----  
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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## 1.229 pkcs8 0.0.0-20181117223130-1be2e3e5546d

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## 1.230 gopkg.in-tomb 2.0.0-20140626144623-14b3d72120e8

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tomb - support for clean goroutine termination in Go.

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## 1.231 errors 0.9.1

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## 1.233 nspr 4.32.0-1.el8\_4

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lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c

lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
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lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation,  
including  
the following new or changed files:

include/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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Constant-time SSSE3 AES core implementation.
version 0.1

By Mike Hamburg (Stanford University), 2009
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## 1.246 pcre 8.42-6.el8

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## THE BASIC LIBRARY FUNCTIONS

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## 1.247 libcap-ng 0.7.11-1.el8

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# 1.249 nss 3.67.0-7.el8\_5

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## 1.258 wayland 1.19.0-1.el8

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## 1.259 xorg-x11-font-utils 7.5-41.el8

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# 1.260 pango 1.42.4-8.el8

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## 1.261 libxfont 7.5-41.el8

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/\* lib/font/fontfile/gunzip.c

written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the

complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.



Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute

the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system,

rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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-- \$Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp \$

# 1.266 open-ldap 2.4.46-18.el8

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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## 1.269 tpm2-tss-tcti 2.3.2-4.el8

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## 1.270 libxcrypt 4.1.1-6.el8

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not

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## 1.271 libmodulemd 2.13.0-1.el8

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## 1.273 chardet 3.0.4

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(For example, a function in a library to compute square roots has

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# 1.274 libndp 1.7-6.el8

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# 1.275 parted 3.2-39.e18

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- \* Frodo Looijaard  
Original author of `libsensors`, `sensors-detect`, `sensors` and `isadump`.
- \* Merlin Hughes  
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- \* Bob Schlaermann  
Dynamic chip feature detection (a.k.a. generic chip support) in `libsensors` and `sensors`.
- \* Mark M. Hoffman  
Many improvements to the `libsensors` configuration file scanner.
- \* Jean Delvare  
New `libsensors` API, and migration of `sensors` and `sensord` thereto.  
Many optimizations in `libsensors` and `sensors`.  
Configuration file converter.  
Rewrite of `sensors-detect`.  
Support for multiple configuration files in `libsensors`.

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* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTracker.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTracker.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/HikariPoolMXBean.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/pool/ProxyCallableStatement.java
*
/opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/HikariConfigMXBean.java
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```
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTrackerFactory.java
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```
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-
jar/com/zaxxer/hikari/util/ClockSource.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-
jar/com/zaxxer/hikari/metrics/PoolStats.java
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```
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jar/com/zaxxer/hikari/metrics/prometheus/HikariCPCollector.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-
jar/com/zaxxer/hikari/util/ConcurrentBag.java
* /opt/cola/permits/1257259274_1642793180.98/0/hikaricp-3-4-5-sources-
jar/com/zaxxer/hikari/pool/ProxyResultSet.java
*
```

/opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/util/DriverDataSource.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/util/SuspendResumeLock.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/util/JavassistProxyFactory.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/HikariConfig.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/pool/ProxyConnection.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/pool/ProxyLeakTaskFactory.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/pool/ProxyFactory.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/util/FastList.java  
\*  
/opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-jar/com/zaxxer/hikari/pool/ProxyLeakTask.java  
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\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-  
jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleHealthChecker.java  
\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-  
jar/com/zaxxer/hikari/pool/PoolEntry.java

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\* /opt/cola/permits/1257259274\_1642793180.98/0/hikaricp-3-4-5-sources-  
jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTrackerFactory.java

# 1.278 adwaita-icon-theme 3.28.0-3.el8

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- \* @(#)bitstring.h 8.1 (Berkeley) 7/19/93

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO
WARRANTY; for details type `show w'.
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.283 json-c 0.99.9-1.el8

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## 1.284 man-db 2.7.6.1-18.el8

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```

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```
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```

```
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## 1.291 Isscsi 0.32-3.el8

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became



Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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```
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```

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

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## 1.308 mongodb-driver-sync 4.0.5

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 */
```

Found in path(s):

```
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/package-info.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/vault/package-info.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/ClientEncryptionImpl.java
*
/opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/GridFSFindIterableImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/KeyRetriever.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MongoIterable.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/GridFSDownloadStreamImpl.java
```

```

* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/MongoClientImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MongoClient.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/FindIterable.java
*
/opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/SimpleMongoClients.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/ListCollectionsIterable.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/ListDatabasesIterableImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/GridFSBucket.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/MongoDatabaseImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MongoDatabase.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/ChangeStreamIterableImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/MongoBatchCursorAdapter.java
*
/opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/GridFSDownloadStream.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MongoCollection.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/KeyManagementService.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MapReduceIterable.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MongoCursor.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/ClientSessionBinding.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/MongoClientFactory.java
*
/opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/GridFSBuckets.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/GridFSUploadStreamImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/MapReduceIterableImpl.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-
jar/com/mongodb/client/internal/MappingIterable.java
* /opt/cola/permits/1316593510_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-

```

jar/com/mongodb/client/ListDatabasesIterable.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/Crypts.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/ListCollectionsIterableImpl.java  
\*  
/opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/package-info.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/AggregateIterableImpl.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/OperationExecutor.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/vault/ClientEncryption.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/Crypt.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/ListIndexesIterable.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/SimpleMongoClient.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/DistinctIterableImpl.java  
\*  
/opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/gridfs/GridFSFindIterable.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/ChangeStreamIterable.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/DistinctIterable.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/MongoClients.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/gridfs/GridFSBucketImpl.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/gridfs/GridFSUploadStream.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/CryptBinding.java  
\*  
/opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/ListIndexesIterableImpl.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/MongoMappingCursor.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/CommandMarker.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/MongoClientDelegate.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-  
jar/com/mongodb/client/internal/FindIterableImpl.java



\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/MongoChangeStreamCursorImpl.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/MongoCollectionImpl.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/AggregateIterable.java  
\*

/opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/CollectionInfoRetriever.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/MongoChangeStreamCursor.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/MongoIterableImpl.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/CryptConnection.java  
\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/vault/ClientEncryptions.java

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\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/ClientSession.java

\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/package-info.java

\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/ClientSessionClock.java

\*

/opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/TransactionBody.java

\* /opt/cola/permits/1316593510\_1651018598.46/0/mongodb-driver-sync-4-0-5-sources-2-jar/com/mongodb/client/internal/ClientSessionImpl.java

# 1.309 safeclib 4.1.3

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\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/HttpServlet.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/AbstractHttpServlet.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/SimpleLruCache.java  
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\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/ServletURI.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/SslReverseProxyMode.java  
\* /opt/cola/permits/1320304756\_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/package-info.java

# 1.311 polkit 0.115-13.el8\_5.2

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## 1.314 libtirpc 1.1.4-6.el8

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## 1.315 kmod 25-19.el8

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## 1.317 libsolv 0.7.20-1.el8



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# 1.318 shadow-utils 4.6-16.el8

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Id
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## 1.325 iputils 20180629-9.el8

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## 1.327 polycoreutils 2.9-19.el8

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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```

The hypothetical commands

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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# 1.328 libseccomp 2.5.2-1.el8

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## 1.330 fuse 2.9.7-15.el8

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## 1.334 tcpdump 4.9.3-3.el8

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- \* Jan-Pieter Cornet ( johnpc ) - 2012-03-23 03:25:52 PDT
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\* @version 3.0 (December 2000)

\*

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\*

\* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

\* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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## 1.343 gawk 4.2.1-4.e18

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a

portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses

the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

### 3. You may opt to apply the terms of the ordinary GNU General Public

License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the

object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany

the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above



specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your

freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed

for everyone's  
free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because  
of this blurred distinction, using the ordinary General  
Public License for libraries did not effectively promote software  
sharing, because most developers did not use the libraries. We  
concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference  
between a  
"work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and



distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition,  
mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under

the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials

specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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```
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# 1.344 crypto-policies 20211116-

## 1.gitae470d6.el8

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Version 2, June 1991

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```
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```

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```

Ty Coon, President of Vice

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# 1.347 sed 4.5-5.e18

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Version 3, 29 June 2007

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The

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Upstream-Name: rdma-core

Upstream-Contact: Doug Ledford <dledford@redhat.com>,  
Leon Romanovsky <Leon@kernel.org>

Source: <https://github.com/linux-rdma/rdma-core>

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= _SZkII)(1:y128:K:9tA]4SU1 }sG`nZpx/imV^>A;V%?5!!sS{!=-6@|
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cython
;;; gpgme-package.lisp
```

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;;;

```
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;;; Lesser General Public License for more details.
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;;; along with GPGME; if not, write to the Free Software Foundation,
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
```

```
;;; Conventions:
;;;
;;; gpg-error is used for error handling.
;;;
;;; Standard I/O streams are used for input and output.
```

```
(defpackage #:gpgme
 (:use #:common-lisp #:cffi #:gpg-error)
 (:import-from #:trivial-garbage
 #:finalize)
 (:export #:check-version
 #:*version*
 #:context
 #:protocol
 #:armorp
 #:textmodep
 #:+include-certs-default+
 #:include-certs
 #:keylist-mode
 #:signers
 #:sig-notations
 #:with-context
 #:key-data
 #:get-key
 #:op-encrypt
 #:op-decrypt
 #:op-sign
 #:op-verify
 #:op-import
 #:op-export))
\input texinfo @c -*- texinfo -*-
@c %**start of header
```

@setfilename index.info  
@settitle GNU Privacy Guard (GnuPG) Made Easy Python Bindings  
@documentencoding utf-8  
@documentlanguage en  
@c %\*\*end of header

@finalout  
@titlepage  
@title GNU Privacy Guard (GnuPG) Made Easy Python Bindings  
@author Ben McGinnes  
@end titlepage

@contents

@ifnottex  
@node Top  
@top GNU Privacy Guard (GnuPG) Made Easy Python Bindings  
@end ifnottex

@menu  
\* GPGME Python Bindings::

@detailmenu  
--- The Detailed Node Listing ---

GPGME Python Bindings

\* Contents::

@end detailmenu  
@end menu

@node GPGME Python Bindings  
@chapter GPGME Python Bindings

@menu  
\* Contents::  
@end menu

@node Contents  
@section Contents

@itemize  
@item  
@uref{short-history, A short history of the project}  
@item  
@uref{what-is-new, What's New}  
@itemize

@item  
@uref{maintenance-mode, Maintenance Mode} (from January, 2019)  
@end itemize  
@item  
@uref{what-was-new, What Was New}  
@item  
@uref{gpgme-python-howto, GPGME Python Bindings HOWTO}  
@end  
itemize

@bye  
2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-05-12 Marcus Brinkmann <marcus@g10code.com>

- \* gpgme.texi (I/O Callback Example): Fix example code.
- \* gpgme.texi (Generating Keys): Fix OpenPGP parameters and reference GPG and GPGSM manual.

2010-01-05 Werner Koch <wk@g10code.com>

- \* gpgme.texi (Changing Passphrases): New.

2009-07-21 Werner Koch <wk@g10code.com>

- \* uiserver.texi (UI Server Encrypt): Add --expect-sign option to PREP\_ENCRYPT.

2009-06-16 Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi (Result Management): New section.

2009-06-16 Werner Koch <wk@g10code.com>

- \* gpgme.texi (Exporting Keys): Document gpgme\_op\_export\_keys.
- (Importing Keys): Document gpgme\_op\_import\_keys.
- (Data Buffer Meta-Data): Document URL encodings.

2009-05-28

Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi (Library Version Check): Document selftest error.



(Creating Contexts): Likewise.

2009-05-18 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document  
GPGME\_ENCRYPT\_NO\_ENCRYPT\_TO.

2009-05-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Engine Information): Replace path by file\_name.

2008-11-28 Werner Koch <wk@g10code.com>

\* gpgme.texi (Listing Keys): Change description of the return  
value to match the code. Spotted by Colin Leroy.

2008-10-15 Werner Koch <wk@g10code.com>

\* uiserver.texi (Miscellaneous UI Server Commands): Add option  
--protocol to the SENDER command.

2008-07-17 Werner Koch <wk@g10code.com>

\* module-overview.sk: New.

2008-07-04 Werner Koch <wk@g10code.com>

\* gpgme.texi (Algorithms): Add a hint on symmetric only encryption.

2008-06-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Cancellation): Document gpgme\_cancel\_async.

2008-06-25

Werner Koch <wk@g10code.com>

\* gpgme.texi (Listing Keys): Updated example to the current API.  
Noted by Nico Schottelius.

2008-06-05 Werner Koch <wk@g10code.com>

\* uiserver.texi (Miscellaneous UI Server Commands): Describe  
START\_CONFDialog.

2008-06-04 Werner Koch <wk@g10code.com>

\* gpgme.texi: Use @copying command. Change license to  
GPLv3. Include protocol specs from GpgOL and GPGEEx. Minor

cleanups.

2008-03-11 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (File Based Data Buffers): Document the need for blocking operations.  
(Callback Based Data Buffers): Likewise.

2008-03-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Rename snippet function to `init_gpgme`.  
(I/O Callback Example): Call it here.

2008-01-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Document that data encoding affects some output data objects now.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Protocols and Engines):  
Document `GPGME_PROTOCOL_UNKNOWN`.

2007-09-11 Werner Koch <wk@g10code.com>

\* gpgme.texi (I/O Callback Example): Typo fix.

2007-08-07 Werner Koch <wk@g10code.com>

\* gpgme.texi (Verify): Describe `chain_model`.

2007-07-12 Werner Koch <wk@g10code.com>

\* gpgme.texi (Library Version Check): Add remark that the socket layer will get initialized.

2007-06-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Advanced Key Editing): New section.

2007-05-21 Werner Koch <wk@g10code.com>

\* `Makefile.am` (online): New target.

2007-05-18 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Strings): Fix documentation of

gpgme\_strerror\_r.

2006-11-01 Moritz Schulte <moritz@g10code.com>

\* gpgme.texi (Data Buffer I/O Operations): Fixed entry for  
gpgme\_data\_seek: OFFSET is not a pointer; some s/whence/offset/.

2006-09-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Destroying Data Buffers): Clarify that  
gpgme\_data\_release\_and\_get\_mem destroys DH unconditionally.

2005-03-24

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Make example code compatible  
to W32 systems.

2006-06-21 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase Callback): Fix inverted condition in  
description.

2005-12-20 Werner Koch <wk@g10code.com>

\* gpgme.texi (Verify): Document pka\_trust.

2005-12-06 Werner Koch <wk@g10code.com>

\* gpgme.texi (Key Management): Updated to match the fixes for  
subkey fingerprints and theg secret flag.

2005-10-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Destroying Data Buffers): Document gpgme\_free.

2005-10-02 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Add the new member notations of  
gpgme\_sig\_key\_t.  
(Key Listing Mode): Document GPGME\_KEYLIST\_MODE\_SIG\_NOTATIONS.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Enclose all return parameters of deftypefuns in  
curly brackets.

\* gpgme.texi (Signature Notation Data): New

section.

(Verify): Added more about the notation data structure.

2005-09-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Data Buffer I/O Operations, Data Buffer Meta-Data):  
New subsections.

\* gpgme.texi: Replace plaintext\_filename with file\_name.

\* gpgme.texi (Key Management): Document is\_qualified.

2005-07-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Decrypt): Add plaintext\_filename to  
gpgme\_decrypt\_result\_t.  
(Verify): Likewise for gpgme\_verify\_result\_t.

2005-06-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Add information about new fields in  
gpgme\_signature\_t.

\* gpgme.texi (Decrypt): Add gpgme\_recipient\_t.

2005-05-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Listing Mode): Fix return type of  
gpgme\_set\_keylist\_mode.  
Reported by "Sergio" <ml\_sergico@virgilio.it>.

2005-04-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Included Certificates): Document  
GPGME\_INCLUDE\_CERTS\_DEFAULT.

2005-01-12 Marcus  
Brinkmann <marcus@g10code.de>

\* gpgme.texi (Engine Configuration): New section.  
(Crypto Engine): New subsection.

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

\* lesser.texi (Library Copying): Change from @appendixsec to  
@appendix.

\* gpgme.texi (Features): Change reference to GPL to one to LGPL.

- \* Makefile.am: Change license to LGPL.
- (gpgme\_TEXINFOS): Replace gpl.texi with lesser.texi.
  
- \* gpgme.texi: Change license to LGPL (also for documentation of GPGME's license).
- \* lesser.texi: New file.
- \* gpl.texi: File removed.
  
- \* gpgme.texi (Creating Contexts): Fix cut&paste error. Reported by Noel Torres <envite@rolamasao.org>.

2004-09-30 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (gpgme\_TEXINFOS): Remove fdl.texi.
- \* gpgme.texi: Do not include fdl.texi. Change license to GPL.
- \* fdl.texi: File removed.

2004-09-29 Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi (Key Management): Change type of keylist\_mode in gpgme\_key\_t to gpgme\_keylist\_mode\_t.

2004-09-28

Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi (Passphrase Callback): Fix last change.

2004-09-27 Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi (Passphrase Callback): Document GPG\_ERR\_NOT\_IMPLEMENTED.
  
- \* gpgme.texi: Update copyright year for tex version.

2004-07-29 Moritz Schulte <moritz@g10code.com>

- \* gpgme.texi (Verify): Fix gpgme\_get\_key example (ancient force\_update argument was still there).

2004-06-08 Marcus Brinkmann <marcus@g10code.de>

- \* gpgme.texi (Listing Keys): Elaborate on the length restrictions on search patterns.
  
- \* gpgme.texi (Decrypt and Verify): Document the NO\_DATA error code.
- (Verify): Document the relationship between gpgme\_op\_verify\_result and the decrypt and verify operations.

2004-05-21 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.text (Verify): Document GPG\_ERR\_CERT\_REVOKED status.

\* gpgme.texi (Decrypt): Add note about new field wrong\_key\_usage of gpgme\_decrypt\_result\_t.

\* gpgme.texi (Key Management): Add note about new field keylist\_mode of gpgme\_key\_t.

2004-04-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Correct type of member wrong\_key\_usage.

2004-03-29 Moritz Schulte <moritz@duesseldorf.ccc.de>

\* gpgme.texi (Verify): Fix type of gpgme\_op\_verify\_result.

\* gpgme.texi (Key Listing Mode): Typo fix.

2004-03-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Library Version Check): Fix the instruction when to set the locale.

2004-03-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (I/O Callback Example Qt): New section by Marc Mutz.

2004-02-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (cancellation): New section.

2004-02-17 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Key Listing Mode): Doc KEYLIST\_MODE\_VALIDATE.

2004-02-06 Moritz Schulte <mo@g10code.com>

\* gpgme.texi: A couple of small fixes regarding the Largfile Support section.

2004-02-01 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Largefile Support): New section.

2004-01-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Fix exportable field.

2003-12-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Rename member class in gpgme\_key\_sig\_t to sig\_class.

(Creating a Signature): Likewise for gpgme\_signature\_t.

2003-12-23 Moritz Schulte <mo@g10code.com>

\* gpgme.texi (Listing Keys): Minor clarification for gpgme\_get\_key.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Signal Handling): New section.

2003-09-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Correct documentation on memory synchronization requirement.

\* gpgme.texi (Locale): New section.

(Multi Threading): Set locale in example.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Strings): Add gpgme\_strerror\_r.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Update documentation.

2003-09-03 Marcus Brinkmann <marcus@g10code.de>

\*

gpgme.texi (Header): We don't use the assuan namespace anymore. Document new thread options.

2003-08-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating a Signature): Change type of member class to unsigned int.

2003-08-04 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Get error code from SIG->status in the code for gpgme\_get\_sig\_status.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Add can\_authenticate flag.

\* gpgme.texi (Listing Keys): Document GPG\_ERR\_AMBIGUOUS\_NAME for gpgme\_get\_key.

2003-07-29 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (EXTRA\_DIST): Remove variable.

\* gpgme.texi (Encrypting a Plaintext): Bad passphrase is only possible with symmetric encryption, change the wording to reflect that.

\* gpgme.texi (Creating a Signature): Document GPG\_ERR\_UNUSABLE\_SECKEY.

\* gpgme.texi (Encrypting a Plaintext): Mention encrypt and sign operations in result function.

(Creating a Signature): Likewise.

2003-07-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Listing Mode): Remove word duplication.

(Listing Keys): Remove mentioning of force argument.

(Verify): Don't mention r\_stat. Fix some typos.

(Decrypt and Verify): Correct info how to get the result. Don't mention r\_stat.

(Manipulating Data Buffers): Fix documentation of return value.

(Listing Keys): Update examples.

(Decrypt): Result might also be available when operation failed.

(Verify): Result might also be available when operation failed.

All spotted by Stphane Corthsy.

2003-07-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Sources): Fix cut and paste error.

2003-07-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Management): Clarify difference between can\_sign and can\_certify.

(Information About Keys): Likewise for GPGME\_ATTR\_CAN\_SIGN and



GPGME\_ATTR\_CAN\_CERTIFY.

2003-07-08 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Progress Meter Callback): Change return type of gpgme\_progress\_cb\_t to void.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Add 2003 to copyright notice.  
\* gpgme.texi (Header): Fix name space documentation on libgpg-error.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Remove reference to gpgme\_recipients\_t.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Crypto Operations): Rename gpgme\_invalid\_user\_id\_t to gpgme\_invalid\_key\_t.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Change error codes to GPG\_ERR\_\* variants. (Error Handling): Rewritten.

2003-05-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Exporting Keys): Change and document prototypes. Add new gpgme\_op\_export\_ext and gpgme\_op\_export\_ext\_start variants.  
(Selecting Recipients): Section removed.  
(Encrypting a Plaintext): Change prototypes and document the changes.

2003-05-28 Marcus Brinkmann <marcus@g10code.de>

\*  
gpgme.texi (Exporting Keys): Change argument type from gpgme\_recipient\_t to gpgme\_user\_id\_t.  
(Encrypting a Plaintext): Likewise.  
(Selecting Recipients): Rewritten.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Protocol Selection): Do not use @acronym in @node because that breaks texi2dvi.

\* gpgme.texi (Passphrase Callback): Document new prototype.

2003-05-18 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Header): Remove Gpgme as namespace prefix. Add \_GPGME to namespace prefix.

\* gpgme.texi (Multi Threading): Add note about link order.

2003-05-04 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Document what happens if key is not found.

\* gpgme.texi (Importing Keys): Fix cut and paste error.

2003-04-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Remove reference to gpgme\_get\_op\_info.

(Detailed Results): Subsection removed.

\* gpgme.texi (Key Listing Mode): Add GPGME\_KEYLIST\_MODE\_SIGS.

(Manipulating

Keys): Add obsolescence note.

(Key Signatures): Likewise.

(Information About Keys): Likewise.

(Key Management): Add new data types GpgmeSubkey, GpgmeKeySig, GpgmeUserID, and all the information about GpgmeKey.

2003-04-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Remove force\_update argument from gpgme\_get\_key.

\* gpgme.texi (Trust Item Management): Add data members of GpgmeTrustItem type.

(Information About Trust Items): Add note about obsolescence.

(Manipulating Trust Items): Add gpgme\_trust\_item\_ref and gpgme\_trust\_item\_unref.

2003-04-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Rewritten to take into account new and deprecated functions and data types.

\* gpgme.texi (Decrypt): Descript gpgme\_op\_decrypt\_result and GpgmeDecryptResult.

2003-04-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Add info about GpgmeEncryptResult and gpgme\_op\_encrypt\_result.

\* gpgme.texi  
(Creating a Signature): Add info about GpgmeNewSignature, GpgmeSignResult and gpgme\_op\_sign\_result.  
(Crypto Operations): Add GpgmeInvalidUserID.  
(Algorithms): New chapter.

\* gpgme.texi (Deleting Keys): Document GPGME\_Ambiguous\_Specification.  
(Error Values): Remove GPGME\_Invalid\_Type and GPGME\_Invalid\_Mode.  
Add GPGME\_Unknown\_Reason, GPGME\_Not\_Found, GPGME\_Ambiguous\_Specification, GPGME\_Wrong\_Key\_Usage, GPGME\_Key\_Revoked, GPGME\_Key\_Expired, GPGME\_No\_CRL\_Known, GPGME\_CRL\_Too\_Old, GPGME\_Policy\_Mismatch, GPGME\_No\_Secret\_Key, GPGME\_Key\_Not\_Trusted, GPGME\_Issuer\_Missing, GPGME\_Chain\_Too\_Long, GPGME\_Unsupported\_Algorithm, GPGME\_Sig\_Expired, GPGME\_Bad\_Signature, GPGME\_No\_Public\_Key.

2003-04-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Importing Keys): Change GPGME\_IMPORT\_PRIVATE to GPGME\_IMPORT\_SECRET.

\* gpgme.texi (Importing Keys): Remove note about gpgme\_get\_op\_info.  
(Detailed Results): Remove note about import.

\* gpgme.texi (Importing Keys): Add documentation for GpgmeImportStatus, GpgmeImportResult and gpgme\_op\_import\_result.

\* gpgme.texi (Generating Keys): Fix documentation of public and secret arguments.

2003-04-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating Keys): Document changed gpgme\_op\_genkey and new gpgme\_op\_genkey\_result function. Document GpgmeGenKeyResult data type.

\* gpgme.texi (Error Values): Rename GPGME\_No\_Passphrase to

GPGME\_Bad\_Passphrase.

\* gpgme.texi (Decrypt): Likewise.

(Decrypt and Verify): Likewise.

(Creating a Signature): Likewise.

(Encrypting a Plaintext): Likewise.

\* gpgme.texi (Error Values): Rename GPGME\_No\_Recipients to GPGME\_No\_UserID and GPGME\_Invalid\_Recipient to GPGME\_Invalid\_UserID.

(Encrypting a Plaintext): Likewise.

\* gpgme.texi (Error Values): Remove GPGME\_Busy and GPGME\_No\_Request.

(Listing Keys): Likewise.

(Listing Trust Items): Likewise.

2003-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Cancelling an Operation): Removed.

(Passphrase

Callback): Document new type for GpgmePassphraseCb.

2003-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Engine Information): Rename member part to file\_name.

\* gpgme.texi (Protocols and Engines): Document gpgme\_get\_protocol\_name.

\* gpgme.texi (Engine Information): Rewritten.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (I/O Callback Interface): Document new even

GPGME\_EVENT\_START.

(Waiting For Completion): Document new possible return values.

(I/O Callback Interface): Document return type of GpgmeIOCb.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Hooking Up Into Idle Time): Section removed.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Drop R\_STAT argument in gpgme\_op\_verify.

\* gpgme.texi (Decrypt and Verify): Likewise for

gpgme\_op\_decrypt\_verify.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Information About Keys): Document that GPGME\_ATTR\_IS\_SECRET is not representable as a string anymore.

2002-12-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Signatures): New section.  
(Listing Keys): Add gpgme\_get\_key.

2002-12-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Memory Based Data Buffers): New subsection.  
(File Based Data Buffers): Likewise.  
(Callback Based Data Buffers): Likewise.  
(Manipulating Data Buffers): Update interfaces. Add gpgme\_data\_seek.  
\* gpgme.texi (Engine Version Check): Remove gpgme\_check\_engine.

2002-11-21 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Document the new interface.

2002-11-19 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating Keys): Document new argument to gpgme\_op\_genkey.

2002-11-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Fix prototype of gpgme\_get\_sig\_key.  
Reported by Miguel Coca <e970095@zipi.fi.upm.es>.

2002-08-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Selecting Signers): Fix reference count.

2002-08-21

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Header): Document name space.

2002-08-20 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Importing Keys): Document gpgme\_op\_import\_ext.

\* gpgme.texi (Importing Keys): Undocument EOF.

2002-08-14 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Information About Keys): Changed GPGME\_ATTR\_TYPE.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Deleting Keys): Say that secret keys might not be deleted.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Information About Keys): Document (badly) the new key attributes.

\* gpgme.texi (Manipulating Data Buffers): Mention that backend tries to detect encoding automatically.

2002-07-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Run Control): Update this section.  
(Waiting For Completion): Likewise for this subsection.  
(Cancelling an Operation): Likewise for this subsection.  
(Using External Event Loops): New subsection with several subsubsections.

2002-06-28

Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Remove item about the need to synchronize anything against gpgme\_wait (except gpgme\_wait itself).

2002-06-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Information About Keys): Fix documentation for IDX.  
(Information About Trust Items): Likewise.

2002-06-26 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Importing Keys): Document the return value -1 of gpgme\_op\_import.

2002-06-20 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Verify): Explain the new whatidx variable.

2002-06-10 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Verify): Document attribute GPGME\_ATTR\_ERRTOK.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Document new autodetection.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (DISTCLEANFILES): New variable.

2002-05-26 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Some typographical corrections throughout.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Using Automake): New section.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Multi Threading): Escape { and }.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Overview): Replace note about thread-safeness.  
(Multi Threading): New section.

2002-05-03 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Manipulating Data Buffers): Changed some data types to void\*.

(Protocol Selection): Added gpgme\_get\_protocol.

(Verify): Updated to include the new attribute functions and status codes.

2002-04-27 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Manipulating Data Buffers): New type GpgmeDataEncoding.

2002-04-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase Callback): Document that either return argument can be NULL.

(Progress Meter Callback): Likewise.

2002-04-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase Callback): Fix small typo. Document the new function gpgme\_get\_passphrase\_cb.  
(Progress Meter Callback): Document the new function gpgme\_get\_progress\_cb.

2002-04-16 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating a Signature): Fix function name. Reported by Wichert Ackerman <wichert@debian.org>.

2002-03-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (direntry): End index entry with a full stop. Patch submitted by Jose Carlos Garcia Sogo <jsogo@debian.org>.

2002-03-17 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Detailed Results): Fix syntax error in last change.

2002-03-08 Werner Koch <wk@gnupg.org>

\* gpgme.texi (Detailed Results): Import does also return info.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document symmetric encryption.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Error Strings): Add example.

\* gpgme.texi (Listing Keys): Likewise.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\*  
gpgme.texi (Information About Keys): Document GPGME\_ATTR\_EXPIRE.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Verify): Document verification of normal and cleartext signatures.

2002-02-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Listing Keys): Document gpgme\_op\_keylist\_ext\_start.



2002-02-27 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document  
GPGME\_Invalid\_Recipients.  
(Error Values): Likewise.

2002-02-26 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Encrypting a Plaintext): Document  
gpgme\_op\_encrypt\_sign and gpgme\_op\_encrypt\_sign\_start.

2002-02-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating a Signature): Add a note about  
certificates to include.  
(Included Certificates): New section.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Detailed Results): Remove literal tags.  
(Generating Keys): Update documentation.

\* gpgme.texi (Generating Keys):  
Fix syntax error.

2002-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Waiting For Completion): Adjust doc to changes in  
the code.

2002-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Key Listing Mode): Update documentation.

2002-01-31 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating Keys): Document error at creation  
failure.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Deleting Keys): Document new error values.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Importing Keys): Add reference to gpgme\_get\_op\_info.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Some spell checking.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: Add all the gpgme\_op\_\*\_start functions.  
Fill the concept index with many, many entries.

2002-01-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Run Control): New section.  
(Verify): Document gpgme\_get\_notation.  
(More Information):  
New section describing gpgme\_get\_op\_info.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Passphrase callback): Change GpgmePassphraseCb's  
R\_HD type from void\* to void\*\*.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Creating data buffers): Change  
gpgme\_data\_new\_from\_filepart's LENGTH type from off\_t to size\_t.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi (Generating keys): New subsection.  
(Exporting keys): Likewise.  
(Importing keys): Likewise.  
(Deleting keys): Likewise.

2002-01-16 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.texi: g10Code -> g10 Code

\* gpgme.texi (Top): Complete detailmenu.

\* gpgme.texi: Convert embarrassing cruft to the real thing.

2002-01-16 Marcus Brinkmann <marcus@g10code.de>

\* ChangeLog: New file.  
\* gpgme.texi: Likewise.  
\* gpl.texi: Likewise.  
\* fdl.texi: Likewise.  
\* Makefile.am (info\_TEXINFOS): New variable.

(gpgme\_TEXINFOS): Likewise.

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implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  
(21:protected-private-key(3:elg(1:p129:|B36I(s7)+ZJ/pvE;"tg7N ca"Gxvnyu&bB#h'7=89&oG  
R<hO)(1:g1:)(1:y128:Ji]WU\_UP}AQ\YMhAl|2e{ \_tcMNDg]{QnWsK 4pY{\$bDCs)(9:protected25:openpgp-s2k3-  
sha1-aes-cbc((4:sha18:JcE7:6452224)16: i[Q\*vK)192:FJA!O!ZAF  
biJ&Tsb!t  
&9@R\~V+x>?sedDz-W(yqf?u^e?s1saV8<T0:tC5%ZMh?\$|,y\_e[1D)(12:protected-at15:20130812T105135)))  
(private-key  
(oid.1.2.840.113549.1.1.1  
(n  
#00e0ce96f90b6c9e02f3922beada93fe50a875eac6bcc18bb9a9cf2e84965caa2d1ff95a7f542465c6c0c19d276e4526ce  
048868a7a914fd343cc3a87dd74291ffc565506d5bbb25cbac6a0e2dd1f8bcaab0d4a29c2f37c950f363484bf269f78914  
40464baf79827e03a36e70b814938eebdc63e964247be75dc58b014b7ea251#)  
(e #010001#)  
(d  
#046129F2489D71579BE0A75FE029BD6CDB574EBF57EA8A5B0FDA942CAB943B117D7BB95E5D28875E0F  
9FC5FCC06A72F6D502464DABDED78EF6B716177B83D5BDC543DC5D3FED932E59F5897E92E6F58A0F334  
24106A3B6FA2CBF877510E4AC21C3EE47851E97D12996222AC3566D4CCB0B83D164074ABF7DE655FC244  
6DA1781#)  
(p  
#00e861b700e17e8afe6837e7512e35b6ca11d0ae47d8b85161c67baf64377213fe52d772f2035b3ca830af41d8a4120e  
1c1c70d12cc22f00d28d31dd48a8d424f1#)  
(q  
#00f7a7ca5367c661f8e62df34f0d05c10c88e5492348dd7bddc942c9a8f369f935a07785d2db805215ed786e4285df16  
58eed3ce84f469b81b50d358407b4ad361#)  
(u  
#304559a9ead56d2309d203811a641bb1a09626bc8eb36ffa23c968ec5bd891eebbafc73ae666e01ba7c8990bae06cc2  
bbe10b75e69fcacb353a6473079d8e9b#)  
)  
)  
# libgpgme.vers - List of symbols to export.  
# Copyright (C) 2002, 2004, 2005, 2009, 2012 g10 Code GmbH  
#  
# This file is part of GPGME.  
#  
# GPGME is free software; you can redistribute it and/or modify  
# it under the terms of the GNU Lesser general Public License as

```
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the License, or (at your option) any later version.
#
GPGME is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU Lesser General Public License for more details.
#
You should have received a copy of the GNU Lesser General Public
License along with this program; if not, see <https://www.gnu.org/licenses/>.
```

```
#-----
Please remember to add new functions also to gpgme.def
#-----
```

```
GPGME_1.1 {
global:
 gpgme_set_engine_info;

 gpgme_ctx_get_engine_info;
 gpgme_ctx_set_engine_info;

 gpgme_data_set_file_name;
 gpgme_data_get_file_name;
 gpgme_data_identify;

 gpgme_sig_notation_clear;
 gpgme_sig_notation_add;
 gpgme_sig_notation_get;

 gpgme_free;

 gpgme_op_getauditlog_start;
 gpgme_op_getauditlog;

 gpgme_conf_release;
 gpgme_conf_arg_new;
 gpgme_conf_arg_release;
 gpgme_conf_opt_change;
 gpgme_op_conf_load;
 gpgme_op_conf_save;
 gpgme_op_conf_dir;

 gpgme_cancel_async;

 gpgme_op_assuan_result;
 gpgme_op_assuan_transact;
 gpgme_op_assuan_transact_start;
```

gpgme\_check\_version\_internal;

gpgme\_io\_read;  
gpgme\_io\_write;

gpgme\_result\_ref;  
gpgme\_result\_unref;

gpgme\_op\_import\_keys;  
gpgme\_op\_import\_keys\_start;  
gpgme\_op\_export\_keys;  
gpgme\_op\_export\_keys\_start;

gpgme\_op\_assuan\_transact\_ext;

gpgme\_wait\_ext;

gpgme\_op\_vfs\_mount\_result;  
gpgme\_op\_vfs\_mount;  
gpgme\_op\_vfs\_create;

gpgme\_key\_from\_uid;  
gpgme\_set\_sub\_protocol;  
gpgme\_get\_sub\_protocol;

gpgme\_op\_passwd\_start;  
gpgme\_op\_passwd;

gpgme\_set\_global\_flag;

gpgme\_io\_writen;

gpgme\_set\_pinentry\_mode;  
gpgme\_get\_pinentry\_mode;

gpgme\_get\_dirinfo;

gpgme\_op\_spawn\_start;  
gpgme\_op\_spawn;

gpgme\_set\_offline;  
gpgme\_get\_offline;

gpgme\_set\_status\_cb;  
gpgme\_get\_status\_cb;

gpgme\_pubkey\_algo\_string;

```
gpgme_set_ctx_flag;
gpgme_get_ctx_flag;
gpgme_data_set_flag;

gpgme_op_createkey_start;
gpgme_op_createkey;
gpgme_op_createsubkey_start;
gpgme_op_createsubkey;
gpgme_op_adduid_start;
gpgme_op_adduid;
gpgme_op_revuid_start;
gpgme_op_revuid;
gpgme_op_keysign_start;
gpgme_op_keysign;
gpgme_op_tofu_policy_start;
gpgme_op_tofu_policy;
gpgme_op_interact_start;
gpgme_op_interact;

gpgme_addrspec_from_uid;

gpgme_set_sender;
gpgme_get_sender;

gpgme_op_query_swdb;
gpgme_op_query_swdb_result;

gpgme_op_set_uid_flag_start;
gpgme_op_set_uid_flag;

gpgme_op_decrypt_ext;
gpgme_op_decrypt_ext_start;

gpgme_data_new_from_estream;

};
```

```
GPGME_1.0 {
global:
gpgme_check_version;
gpgme_get_engine_info;
gpgme_engine_check_version;

gpgme_err_code_from_errno;
gpgme_err_code_to_errno;
gpgme_err_make_from_errno;
gpgme_error_from_errno;
```

gpgme\_strerror;  
gpgme\_strerror\_r;  
gpgme\_strsource;

gpgme\_data\_get\_encoding;  
gpgme\_data\_new;  
gpgme\_data\_new\_from\_cbs;  
gpgme\_data\_new\_from\_fd;  
gpgme\_data\_new\_from\_file;  
gpgme\_data\_new\_from\_filepart;  
gpgme\_data\_new\_from\_mem;  
gpgme\_data\_new\_from\_stream;  
gpgme\_data\_read;  
gpgme\_data\_release;  
gpgme\_data\_release\_and\_get\_mem;  
gpgme\_data\_seek;  
gpgme\_data\_set\_encoding;  
gpgme\_data\_write;

gpgme\_get\_protocol\_name;  
gpgme\_hash\_algo\_name;  
gpgme\_pubkey\_algo\_name;

gpgme\_new;  
gpgme\_get\_armor;  
gpgme\_get\_include\_certs;  
gpgme\_get\_io\_cbs;  
gpgme\_get\_keylist\_mode;  
gpgme\_get\_passphrase\_cb;  
gpgme\_get\_progress\_cb;  
gpgme\_get\_protocol;  
gpgme\_get\_textmode;  
gpgme\_release;  
gpgme\_set\_armor;  
gpgme\_set\_include\_certs;  
gpgme\_set\_io\_cbs;  
gpgme\_set\_keylist\_mode;  
gpgme\_set\_locale;  
gpgme\_set\_passphrase\_cb;  
gpgme\_set\_progress\_cb;  
gpgme\_set\_protocol;  
gpgme\_set\_textmode;  
gpgme\_signers\_add;  
gpgme\_signers\_clear;  
gpgme\_signers\_count;  
gpgme\_signers\_enum;

gpgme\_key\_ref;

gpgme\_key\_unref;  
gpgme\_key\_release;

gpgme\_trust\_item\_ref;  
gpgme\_trust\_item\_unref;

gpgme\_cancel;  
gpgme\_op\_card\_edit;  
gpgme\_op\_card\_edit\_start;  
gpgme\_op\_decrypt;  
gpgme\_op\_decrypt\_result;  
gpgme\_op\_decrypt\_start;  
gpgme\_op\_decrypt\_verify;  
gpgme\_op\_decrypt\_verify\_start;  
gpgme\_op\_delete;  
gpgme\_op\_delete\_start;  
gpgme\_op\_delete\_ext;  
gpgme\_op\_delete\_ext\_start;  
gpgme\_op\_edit;  
gpgme\_op\_edit\_start;  
gpgme\_op\_encrypt;  
gpgme\_op\_encrypt\_start;  
gpgme\_op\_encrypt\_ext;  
gpgme\_op\_encrypt\_ext\_start;  
gpgme\_op\_encrypt\_sign;  
gpgme\_op\_encrypt\_sign\_ext;  
gpgme\_op\_encrypt\_sign\_start;  
gpgme\_op\_encrypt\_sign\_ext\_start;  
gpgme\_op\_encrypt\_result;

gpgme\_op\_export;  
gpgme\_op\_export\_ext;  
gpgme\_op\_export\_ext\_start;  
gpgme\_op\_export\_start;  
gpgme\_op\_genkey;  
gpgme\_op\_genkey\_result;  
gpgme\_op\_genkey\_start;  
gpgme\_get\_key;  
gpgme\_op\_import;  
gpgme\_op\_import\_result;  
gpgme\_op\_import\_start;  
gpgme\_op\_keylist\_end;  
gpgme\_op\_keylist\_ext\_start;  
gpgme\_op\_keylist\_from\_data\_start;  
gpgme\_op\_keylist\_next;  
gpgme\_op\_keylist\_result;  
gpgme\_op\_keylist\_start;  
gpgme\_op\_sign;



```

gpgme_op_sign_result;
gpgme_op_sign_start;
gpgme_op_trustlist_end;
gpgme_op_trustlist_next;
gpgme_op_trustlist_start;
gpgme_op_verify;
gpgme_op_verify_result;
gpgme_op_verify_start;
gpgme_wait;

gpgme_data_new_with_read_cb;
gpgme_data_rewind;
gpgme_get_sig_status;
 gpgme_get_sig_string_attr;
gpgme_get_sig_ulong_attr;
gpgme_get_sig_key;
gpgme_key_get_string_attr;
gpgme_key_get_ulong_attr;
gpgme_key_sig_get_string_attr;
gpgme_key_sig_get_ulong_attr;
gpgme_op_import_ext;
gpgme_trust_item_get_int_attr;
gpgme_trust_item_get_string_attr;
gpgme_trust_item_release;

gpgme_err_code_from_syserror;
gpgme_err_set_errno;

local:
 *;

};
;;; -*- Mode: lisp -*-

;;; Copyright (C) 2006 g10 Code GmbH
;;;
;;; This file is part of GPGME.
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;;; as published by the Free Software Foundation; either version 2.1 of
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;;;

```

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;;; License along with GPGME; if not, write to the Free  
;;; Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA  
;;; 02111-1307, USA.

```
(defpackage #:gpgme-system
 (:use #:common-lisp #:asdf))
```

```
(in-package #:gpgme-system)
```

```
(defsystem gpgme
 :description "GnuPG Made Easy."
 :author "g10 Code GmbH"
 :version "1.13.1"
 :licence "GPL"
 :defsystem-depends-on ("cffi-grovel")
 :depends-on ("cffi" "gpg-error" "trivial-garbage")
 :components ((:file "gpgme-package")
 (:cffi-grovel-file "gpgme-grovel"
 :depends-on ("gpgme-package"))
 (:file "gpgme")
 :depends-on ("gpgme-package" "gpgme-grovel"))))
```

```
-----BEGIN PGP PRIVATE KEY BLOCK-----
```

```
IQOYBFrsKEkBCADKw4Wt8J6M/88qD8PO6lSMCxH1cpwH8iK0uPaFFYsJkkXo7kWf
PTAttrV+REqF/o80dvYcdLvRsV21pvncZz/HXLu1yQ18mC3XObrKokbdgrTTKA5XE
BZkNsqyaMMJauT18H4hYkSg62/tTdO1cu/zWv/LFf7Xyn6+uA74ovXCJIO1s0N2c
PSht98QRzPMf2owgVk37JnDNp4gGVDGHxSZOuUwxgYAZYNAs8SFc+c+3ZrQfY870
+O4j3Mz4p7yD13AwP4buQLBsb/icxekeQCqpRjHLH9f7MdEcGXa1x36RcEkHdu+M
yJ392eMgD+dKNfRCtyTPhjZTxvbNELIBYICfABEBAAEAB/wLJ0gyMjs2fFfT83wM
5Lzz2yQIwV4t3bb1BAujdHTqeN5Zmsm/oakFyjSokULK96Kv0R4ej9eoIgMFvxFk
HRkrngxTrbsNJ7I6QcKYHTPeIj318ykNL6fj0WJUcdPIENukXl5jbqNyk3/4D2y
TTDySyq6jHTgvMH4K4KJUSpglvSJpntTk9RhuFGHAF+sNR9atygdYctAaERMRtSg
LCoSt/AoX5GRMIQjXT9oqQjwSQoZyF4s8HMC8wdTFIE/E0L4IVdHVP8sz2UuszNtT
W/evmCA+KVruKjRH/Fhrq4hHkEamW28+j4L6uAyagONP7BONs+S5Oo2zTT9+tV2R
ILTZBADdgluAgF6C5Lu9jCF6DfFgaT/uafMyQNkEGNlxOHMWHTgLHe475V2eG9gA
amd4yXKyEFKU1PWnvlGuicQSGdzVcwmq61msvXgYD0FK3LP3yWzKnE4X1tzc9Vp
/uHJxKjewCuyt1f5in919v+t8TbUxBYKc0zX/qWtX+10cTx77QQA6leqhToJ95Yc
u4UBrKMEO+y2v8Svb3LG7y15oY8tkw0EkJ/kpZ8xTafZYCe6fXdvVE3PHg2lrxyc
Wv/EU3QY/qA3G82mbXYeJ2jNZaTNYo4MyIMrt4Mx25x4ke7JlsE8SVrQ+4CrHkqp
OjSIa7fppLrQ78uW980AtN8NNQGrlTsD/A9aoA60IgxylQ3K2uSyDCyjLknv57ym
ZSBD3/t7m0l6Q6gdbfhnGosT+Hd4y3actqEqzXZHW2VG4dKZ/wRNkxtSm9adU9vs
EHyzxb6mKIH32zAG5TaFT20hC+NK6lsyHr9UE2ZrS6ma2sLxGW2O40hqNsdD+5m
NrqeBc2I/js1PMK0EHRlc3RAZXhbbXBsZS5vcmeJAVQEEwEIAD4WIQTUFzW5Ejb9
uIEjFojAWNe7/DLBQUCWuwoSQIbAwUJA8JnAAULCQgHAgYVCgkICwIEFgIDAQIe
AQIXgAAKCRajAWNe7/DLBf9kB/wOQ/S60HGwFq07W9N01HWULyhHKoMmcHL6rfZ6
4oDqLxolPSasz7WAMW1jN4qtWJ0mFzwo83V6kaBe+wF6Kqir6udFSBW9rPcFg6/V
ZXPltT0a6uacIHq6DyQ5iMW4YQWbVY9OR2rNgkYo1JCBR0XdRjYCSX3yB4TWv/eX
```

nZ37/WjmiTOIZh35rjs+NuU/S5JPDfAp2/k70DevQeBsv+UjVXjWpNTZmPbvDnd9  
95uSmC6UY4hzyP84ORYMYn9n1QAR0goxDN6UunOf9Rlp1oMzdxMool/d1MICxg2h  
3jheuhv7lgUF4KpvHOuEPXQ7UO417E0TYcDZ1J8Nsv87SZeEnQOYBFrsKEkBCADj  
oEBHg/QPqZHg8VyoD1xYRAWGxyDJkX/GrSs6yE+x2hk5FoQCajxKa/d4AVxOnJpd  
whAfeXeSNaql5Ejgzax+Tdj9BV6vtGVJVv0pO7bgAiZxkA6RHxtNqhpPnPQoXvUz  
kzpRgpuL+Nj4yIg7z1ITH6KQH4u5SI9vd+j/8i9Taz67pdZwuJjac8qBuJHjzAo1  
bjYctFYUSG5pbmMQyNLYSzziNkFa4DajODlt3RuqVGP316Fk+Sy2+60tC/HIX8jg  
MyMONfOGBQx6jk8tvAphS/LAqrrNepnagIyLUGKU+L8cB2g1PGGp2biBFWqZbudZ  
oyRBet/0yH/zirBdQJw1ABEBAAEAB/4IN3gXOI4OuoOcsvHak4pebx61Mt0YP9cT  
qZASIBqxok5x8E28pFh/tYfkYdqRCtdNYZOnxcEoUWh5j6nfwZkEnJ9P/T8GPNk7  
pMKnKXmExi05b5uGHD8nU1rSbf/YkvAF0vpxbxd4/RDxbbtQhbUwGzusSI+pBLM0w  
5TreEB+vRGC2gOvXXOtKLNEa7M9rH2EwbAkP3jOGGwgk6adxbQdBcRxxq4merqHL  
YrVz73bCj8TDc0fsNJyIaZZJ++ejfBFYavsF1pvx9z7FNFi8rSXoiB3SBtaWGfhr  
bwNaMZrDc7TRIq/fqGaL6g//bzcWrr1YaHXZ10Bgx6UymDOIYkCpBADm0Hv46sPw  
07SO8+IACcaQliOto1pndOPwTimCe058/7rf8I2a5uuJloGrnPwAX65bKDnUALp6  
X3lnXRNmhnB3Uewx4i00LQmjsxhJfQiGLpMv0j58tn64s7GqQzGVV1JKcQm992RV  
jFOydyjZ+K4LGWEOITG/bZrMEVNGCM+OnQQA/Haz8xN0NFSlq7tyfFc0pkx/TiCX  
xGfBqbO0wU2b5GMnZbY/06HENpidIzpa231VQaw5/nPTvfhLKW1iGAkc148cX1q  
IL9w2ksXuaHR3LXud2VcfVTIdxU/7h7u1dD/85+c0+7jlGOBd9cXKxIM6OjpIJz1  
l5/1h3C5S0TuxHkEAL/3BGihkhNfv1Xx0rWu0/732usX/nE/A9C26hGu41FUf3fp  
0ilonKpKZUEwWt5hWSEFCsrznNvekiO0rxvuu3RVegvzThPNU4Pf4JZtJpRVhvUQ  
d9ulxJw7V9rs75uNBatTNC0kXuGoXhehw4Bn93xa67gYGd3LfrH+oT0GCDpTSHCJ  
ATwEGAEIACYWIQTUFzW5Ejb9uIIEjFojAWNe7/DLBQUCWuwoSQIbDAUJA8JnAAAK  
CRAjAWNe7/DLBF0pCACPP5hBuUWngu2Hqvg+tNiujsiYzId3MffFxEk3CbXeHcJ  
5F32NDJ9PYCnra4L8wSv+Nzt9gIa8IFwoFSFQCjzH7KE86XcV3MhfdJTNb/+9CR7  
Jq3e/4Iy0N5ip7PNYMCyakcAsxvsNCJKrSaDuYe/OAoTXRBtgRWE2uyT315em02L  
kr+2Cc/Qk6H+v1NOHGRgnpI/OZZjnUuUfBUvMGHr1phW+y7aeymC9PnUGdViRdJe  
23nntMSDA+0/I7ESO9JsWvJbyBmuiZpu9JjScOjYH9xpQLqRNyw4WHpZriN69F0t  
9Mmd7bM1+UyPgbPER0iWMeyctYsuOLEUyQKMscDT  
=hkUm

-----END

PGP PRIVATE KEY BLOCK-----

#+TITLE: Stuff To Do

#+LATEX\_COMPILER: xelatex

#+LATEX\_CLASS: article

#+LATEX\_CLASS\_OPTIONS: [12pt]

#+LATEX\_HEADER: \usepackage{xltextra}

#+LATEX\_HEADER: \usepackage[margin=1in]{geometry}

#+LATEX\_HEADER: \setmainfont[Ligatures={Common}]{Latin Modern Roman}

\* Project Task List

:PROPERTIES:

:CUSTOM\_ID: task-list

:END:

\*\* DONE Documentation default format

CLOSED: [2018-02-15 Thu 21:29]

:PROPERTIES:

```
:CUSTOM_ID: todo-docs-default
:END:
```

Decide on a default file format for documentation. The two main contenders being Org Mode, the default for the GnuPG Project and reStructuredText, the default for Python projects. A third option of DITA XML was considered due to a number of beneficial features it provides.

The decision was made to use Org Mode in order to fully integrate with the rest of the GPGME and GnuPG documentation. It is possible to produce reST versions via Pandoc and DITA XML can be reached through converting to either Markdown or XHTML first.

```
** TODO Documentation build systems
:PROPERTIES:
:CUSTOM_ID: todo-docs-build-systems
:END:
```

Though Org Mode is being used for the default documentation format, it still needs to end up as usable by end users. So the Org Mode files are used to produce the "source" files used by the two main contenders for documenting the bindings: Texinfo and ReStructuredText/Docutils.

```
*** TODO Texinfo documentation
:PROPERTIES:
:CUSTOM_ID: todo-docs-build-texinfo
:END:
```

Need to add all of Texinfo's ... special systems to make it do its things.

```
*** TODO ReStructuredText documentation
:PROPERTIES:
:CUSTOM_ID: todo-docs-build-docutils
:END:
```

Need to run Sphinx's quick start, add it to the requirements and tweak the index page for the rst files to point to the HOWTO and other files.

It might just be easier to do all that in Org Mode and convert the lot, then the Sphinx bits can be automated.

\*\* STARTED Documentation HOWTO

:PROPERTIES:

:CUSTOM\_ID: todo-docs-howto

:END:

- State "STARTED" from "TODO" [2018-03-08 Thu 13:59] \\

Started yesterday.

Write a HOWTO style guide for the current Python bindings.

\*\*\* DONE Start python bindings HOWTO

CLOSED: [2018-03-07 Wed 18:14]

:PROPERTIES:

:CUSTOM\_ID: howto-start

:END:

\*\*\* STARTED Include certain specific instructions in the HOWTO

:PROPERTIES:

:CUSTOM\_ID: howto-requests

:END:

Note: moved the S/MIME bits out to their own section of the TODO list and may be served better by separate HOWTO documentation anyway.

- State "STARTED" from "TODO" [2018-03-09 Fri 15:27]

Some functions can be worked out from the handful of examples available, but many more can't and I've already begun receiving requests for certain functions to be explained.

\*\*\*\* DONE Standard scenarios

CLOSED: [2018-03-19 Mon 12:34]

:PROPERTIES:

:CUSTOM\_ID: howto-the-basics

:END:

- State "DONE" from "STARTED"

[2018-03-19 Mon 12:34] \\

All four of those are done.

- State "STARTED" from "TODO" [2018-03-09 Fri 15:26] \\

Began with the example code, now to add the text.

What everyone expects: encryption, decryption, signing and verifying.

\*\*\*\* STARTED Key control

:PROPERTIES:

:CUSTOM\_ID: howto-key-control

:END:

- State "STARTED" from "TODO" [2018-03-19 Mon 12:35] \\  
Generating keys and subkeys are done, but revocation is still to be done.  
Generating keys, adding subkeys, revoking subkeys (and keeping  
the cert key), adding and revoking UIDs, signing/certifying keys.

\*\*\*\* DONE More key control

CLOSED: [2018-03-19 Mon 12:36]

:PROPERTIES:

:CUSTOM\_ID: howto-key-selection

:END:

- State "DONE" from "TODO" [2018-03-19 Mon 12:36] \\

Key selection, searching, matching and counting is done.  
Selecting keys to encrypt to or manipulate in other ways (e.g. as  
with key  
control or the basics).

\*\* TODO Documentation SWIG

:PROPERTIES:

:CUSTOM\_ID: todo-docs-swig

:END:

Write documentation for the complete SWIG bindings demonstrating  
the correspondence with GPGME itself.

Note: it is likely that this will be more in the nature of  
something to be used in conjunction with the existing GPGME  
documentation which makes it easier for Python developers to use.

\*\* TODO GUI examples

:PROPERTIES:

:CUSTOM\_ID: todo-gui-examples

:END:

Create some examples of using Python bindings in a GUI application  
to either match or be similar to the old GTK2 examples available  
with PyME.

\*\* TODO Replace SWIG

:PROPERTIES:

:CUSTOM\_ID: todo-replace-swig

:END:

Selecting SWIG for this project in 2002 was understandable and effectively the only viable option. The options available now, however, are significantly improved and some of those would resolve a number of existing problems with using SWIG, particularly when running code on both POSIX compliant and Windows platforms.

The long term goal is to replace SWIG by reimplementing the Python bindings using a more suitable means of interfacing with the GPGME C source code.

\*\*\* TODO Replacement for SWIG

```
:PROPERTIES:
:CUSTOM_ID: todo-replace-swig-replacement
:END:
```

Decide on a replacement for SWIG. Currently CFFI is looking like the most viable candidate, but some additional testing and checks are yet to be completed.

\*\* TODO API for an API

```
:PROPERTIES:
:CUSTOM_ID: todo-api-squared
:END:
```

A C API like GPGME is not what most modern developers think of when they hear the term API. Normally they think of something they can interact with like a RESTful web API. Though RESTful is unlikely given the nature of GPGME and the process of encryption, it may be possible to provide a more familiar interface which can be utilised by developers of other languages for which bindings are not available or for which it is too difficult to create proper bindings.

\*\* TODO S/MIME

```
:PROPERTIES:
:CUSTOM_ID: s-mime
:END:
```

Eventually add some of this, but the OpenPGP details are far more important at the moment.

\* Project Task Details

```
:PROPERTIES:
:CUSTOM_ID: detailed-tasks
:END:
```

\*\* Working examples

```
:PROPERTIES:
:CUSTOM_ID: working-examples
:END:
```

The old GUI examples were unable to be retained since they depended on GTK2 and Python 2's integration with GTK2.

Current GPGME examples so far only include command line tools or basic Python code for use with either Python 2.7 or Python 3.4 and above.

Future GUI examples ought to utilise available GUI modules and libraries supported by Python 3. This may include Qt frameworks, Tkinter, GTK3 or something else entirely.

\*\* Documentation

```
:PROPERTIES:
:CUSTOM_ID: documentation
:END:
```

The legacy documentation which no longer applies to the Python bindings has been removed.

Current and future documentation will adhere to the GnuPG standard of using Org Mode and not use the reStructuredText (reST) format more commonly associated with Python documentation. The reasons for this are that this project is best served as shipping with the rest of GPGME and the documentation ought to match that. There are also aspects of Org Mode's publishing features which are superior to the defaults of reST, including the capacity to generate fully validating strict XHTML output.

If reST files are required at a later point for future inclusion with other Python packages, then that format can be generated from the .org files with Pandoc before being leveraged by either Docutils, Sphinx or something else.

While there are some advanced typesetting features of reST which are not directly available to Org Mode, more often than not those features are best implemented with either HTML and CSS, with LaTeX to produce a PDF or



via a number of XML solutions. Both reST and  
Org Mode have multiple paths by which to achieve all of these.

```
from __future__ import absolute_import
```

```
import cython
```

```
import gpg
```

```
c = gpg.Context()
```

```
seckeys = c.keylist(pattern=None, secret=True)
```

```
pubkeys = c.keylist(pattern=None, secret=False)
```

```
seclist = list(seckeys)
```

```
secnum = len(seclist)
```

```
publist = list(pubkeys)
```

```
pubnum = len(publist)
```

```
if cython.compiled is True:
```

```
 cc = "Powered by Cython compiled C code."
```

```
else:
```

```
 cc = "Powered by Python."
```

```
print("""
```

```
 Number of secret keys: {0}
```

```
 Number of public keys: {1}
```

```
 {2}
```

```
""").format(secnum, pubnum, cc)
```

```
\input texinfo @c -*- texinfo -*-
```

```
@c %**start of header
```

```
@setfilename maintenance-mode.info
```

```
@settitle Maintenance Mode
```

```
@documentencoding utf-8
```

```
@documentlanguage en
```

```
@c %**end of header
```

```
@finalout
```

```
@titlepage
```

```
@title Maintenance Mode
```

```
@author Ben McGinnes
```

```
@end titlepage
```

```
@contents
```

```
@ifnottex
```

```
@node Top
```

```
@top Maintenance Mode
```

```
@end ifnottex
```

@menu

\* Maintenance Mode from 2019::

@detailmenu

--- The Detailed Node Listing ---

Maintenance Mode from 2019

\* Maintainer from 2019 onward::

\* Using the Python Bindings from 2019 and beyond::

\* Documentation formats::

Documentation formats

\* Cautionary Notes regarding Sphinx and EPUB::

@end detailmenu

@end menu

@node Maintenance Mode from 2019

@chapter Maintenance Mode from 2019

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian

English, British English

@item xml:lang:

@tab en-AU, en-GB, en

@end multitable

From the beginning of 2019 the Python bindings to GPGME will enter maintenance mode, meaning that new features will not be added and only bug fixes and security fixes will be made. This also means that documentation beyond that existing at the end of 2018 will not be developed further except to correct errors.

Though use of these bindings appears to have been quite well received, there has been no indication of what demand there is, if any for either financial backing of the current Python bindings development or

support contracts with g10code GmbH citing the necessity of including the bindings.

@menu

\* Maintainer from 2019 onward::

\* Using the Python Bindings from 2019 and beyond::

\* Documentation formats::

@end menu

@node Maintainer from 2019 onward

@section Maintainer from 2019 onward

How does this affect the position of GnuPG Python Bindings Maintainer?

Well, I will remain as maintainer of

the bindings; but without funding

for that position, the amount of time I will be able to dedicate solely to this task will be limited and reduced to volunteered time.

As with all volunteered time and effort in free software projects, this will be subject to numerous external imperatives.

@node Using the Python Bindings from 2019 and beyond

@section Using the Python Bindings from 2019 and beyond

For most, if not all, Python developers using these bindings; they will continue to just work the same as they always have. Expansions of GPGME itself are usually handled by SWIG with the existing code and thus bindings are generated properly when the bindings are installed alongside GPGME and when the latter is built from source.

In the rare circumstances where that is not enough to address some new addition to GPGME, then that is a bug and thus subject to the maintenance mode provisions (i.e. it will be fixed following a bug report being raised and your humble author will need to remember where the timesheet template was filed, depending on how many years off such an event is).

All the GPGME functionality will continue to be accessible via the lower level, dynamically generated methods which match the GPGME C documentation. While the more intuitively Pythonic higher level layer already covers the vast majority of functionality people require with key generation, signatures, certifications (key signing), encryption, decryption, verification, validation, trust levels and so on.

Any wanted features lacking in the Python bindings are usually lacking because they are missing from GPGME itself (e.g. revoking keys via the API) and in such cases they are usually deliberately excluded. More

discussion of these issues can be found in the archives of the  
@uref{https://lists.gnupg.org/mailman/listinfo/gnupg-devel, gnupg-devel mailing list}.

Any features existing in the dynamically generated layer for which  
people want a specific, higher level function included to make it more  
Pythonic  
(e.g. to avoid needing to learn or memorise cryptographic  
mode values or GnuPG status code numbers), would be a feature request  
and @emph{not} a bug.

It is still worthwhile requesting it, but the addition of such a  
feature would not be guaranteed and provided on a purely volunteer  
basis. Expediting such a request would require funding that request.

Those with a commercial interest in expediting such a feature request  
already know how to @uref{https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset, expedite it} (use the message  
field to state what  
feature is being requested).

@node Documentation formats  
@section Documentation formats

The documentation has been written in Org mode for GNU Emacs, with  
both Texinfo and reStructuredText formats generated from that. The  
Texinfo files are intended for use with the rest of the GnuPG  
documentation; while the reStructuredText files are intended for use  
with Docutils and Sphinx, as with other Python projects.

@menu  
\* Cautionary Notes  
regarding Sphinx and EPUB::  
@end menu

@node Cautionary Notes regarding Sphinx and EPUB  
@subsection Cautionary Notes regarding Sphinx and EPUB

Though Python's Docutils in conjunction with Sphinx is capable of  
generating some very useful HTML sites, as proven by @uref{https://readthedocs.org/, Read the Docs} and  
the @uref{https://docs.python.org/, Python documentation}, there are a number of output formats it does  
not handle well. At the top of the list of things it manages to break  
so atrociously as to be embarrassing is the @uref{http://idpf.org/epub, EPUB 3} format.

The automatically generated EPUB of the CPython documentation always  
contains hundreds of validation errors and even the modest amount of  
documentation here @uref{https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-  
python/rst/epub/GPGMEPythonBindings.epub, produced a file} with approximately thirty  
validation errors. As the volume of documentation content increases,  
so does the induced errors. Whereas Texinfo

doesn't produce EPUB  
output at all, nor does Org-mode.

Should there ever be genuine demand for this format, lodge a  
@uref{https://dev.gnupg.org/maniphest/task/edit/form/4/, feature  
request} case marked for @uref{https://dev.gnupg.org/p/BenM/, my} attention. The means of generating such  
files flawlessly is already available, but is not yet part of the  
GnuPG build system. Nor is it integrated with a means of converting  
Org mode input files to the relevant base format automatically, as can  
already be done when converting Org to reStructuredText or Org to  
Texinfo. As a certain amount of work would be required to get it  
done, there would need to be clear demand for that work to be done.

@bye

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFsMHecBCACqdJgqa+CeNYwPCK+MpOwAV6uFVjDyO2LmOs6+XfDWRBU/Zjtz
8zdYNKsBljkWN4ujV5aiyA7MtEofszzYLEoKUtlwiDScHMpW8qmEFDv19g26MeAV
rTno9D5KodHvEIs8wnrqBs8ix0WLbh6J1Dtt8HQglbN+v3gaRQrgBF6z2ZYpHHx
ZfOu3iFKlm2WE/NekRkvvFIo3ApGvRhGIYw6JMmugBlo7s5xosJK0I9dkPGIEEt
aF1RkcMj8sWG9vHAXcjlGgFfXSN9YLppyXpkuZGm4+gjLB2a3rbQCZVFnxCyG4O
ybjkP8Jw6Udm89bK2ucYFfjdrnYn/nJqRxeNABEBAAG0I1Rlc3QgTm9Qcm12S2V5
IDxub2JvZHIAZXhhbXBsZS5vcmc+iQFOBBMBCAA4FiEE4Fmh4IZtMa4TEXCITZou
EzBBU9EFAlsMHecCGwMFCwkIBwIGFQoJCAAsCBBYCAwECHgECF4AACgkQTZouEzBB
U9F+qwf/SHj4uRnTWgyJ71FBxQDYCBq3jbi6e7hMkRPbJyJdnPIMAb2p0PJjBgjW
0pp4+kDPZans3UDHbma1u/SFI4/y6isJiK94Bk5xp5YliLGnUceTjgDFe6lBhfQ1
zVWZC/NF3tPgbziIxXQTNt34nS+9dbV/QFDLW0POcN7C0jR/hgkBjMEH2PezWhSj
mL/yLflUYAoxVpXjfc5aPJKqw0tR7m5ibznjCphE+FUMRg8EOmJcg6soeJ5QspU
k2dPN3+Y0zCTNRgAHEI+yIQbM6pio6v2c+UCtT1QhW4xSI38/kcEG8QiM55r1TUy
FcWAY5n5t1nNzTmxxse3LqEon3rKiLkBDQRbDB3nAQgAqfAjSjngERTM+ZYOWn0
QF2v2FuEuMe8mhju7Met7SN2zGv1LnhTNshEa9IABEfjZirE2Tqx4xCWDwDedK4
u1ToFvcnuAMnq2O47Sh+eTyps6WPFtPBWf6ctKY31hFXjgoyDBULBv143XU/D9C
Mt7nsKDPYHVrrnge/qWPYVcb+cO0sSwNImMcwQSdTQ3VBq7MeNS9ZeBcXi+XCjhN
kjNum2AQQpkHHDQV7871yQ8RIILvZSSfkLb0/SNDU+bGaw2G3lcyKdIfZi2EWWZT
oCbH38I+LV7nAEe4zFpHwW8X0Dkx2aLgxe6UszDH9L3eGhTLpJhOSiaanG+zZKm
+QARAQABiQE2BBgBCAAgFiEE4Fmh4IZtMa4TEXCITZouEzBBU9EFAlsMHecCGwwA
CgkQTZouEzBBU9H5TQgAolWvIsez/WW8N2tmZEnX0LOFNb+1S4L4X983njwNdoVI
w19pbj+8RIHF/H9kcPGi7jK96gvlykQn3uez/95D2AiRFW5KYdOouFisKgHpv8Ay
BrhclHv11yK+X/OiT0DscYaG7np5162xLkaxSO9hsz2fGv20RKaXCWkI69fWw0BR
XII5pZh2YFei2ZhH/tlMIW65h3w0gtgaZBBdpZTOOW4zvghyN+0MSObqkI1BvUJu
caDFI4d6ZTm5SY+pZyktZ4bg/vMH5VfxdIKgbLx9uVeTvOupvbAW0TNulYGUBQE
nm+S0zr3W18t64e4sS3oHse8zCqo1iiImpba6F1Oaw==
=y6DD
-----END
PGP PUBLIC KEY BLOCK-----
00~0
*H
0k10 UDE10U
```

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 10  
011203093638Z  
021203093638Z0k10 UDE10U  
Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 100  
\*H  
0l+Pu.\-ZT\$e'nE&h4<}BePm[%j-/-7PcHKi@FKy~npcd\${}K~Q00U37Tq8\_eK40U#037Tq8\_eK4om0k10 UDE10U  
Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 10U00  
\*H  
l8gD Z  
wYL,M'j  
pk2pf[L ;Rl}#h\$~O!9;3e\A'v&P^\$'Oc.-TS~A>:fQY<  
;;; gpgme.lisp

;;; Copyright (C) 2006 g10 Code GmbH  
;;;  
;;; This file is part of GPGME-CL.  
;;;  
;;; GPGME-CL is free software; you can redistribute it and/or modify it  
;;; under the terms of the GNU General Public License as published by  
;;; the Free Software Foundation; either version 2 of the License, or  
;;; (at your option) any later version.  
;;;  
;;; GPGME-CL is distributed in the hope that it will be useful, but  
;;; WITHOUT ANY WARRANTY; without even the implied warranty of  
;;; MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
;;; Lesser General Public License for more details.  
;;;  
;;; You should have received a copy of the GNU General Public License  
;;; along with GPGME; if not, write to the Free Software Foundation,  
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

;;; TODO

;;; Set up the library.

(in-package :gpgme)

(deftype byte-array ()  
'(simple-array (unsigned-byte 8) (\*)))

(deftype character-array ()  
'(simple-array character (\*)))

```

;;;
Debugging.

(defvar *debug* nil "If debugging output should be given or not.")

;;; Load the foreign library.

(define-foreign-library libgpgme
 (:unix "libgpgme.so")
 (t (:default "libgpgme")))

(use-foreign-library libgpgme)

;;; System dependencies.

; Access to ERRNO.
(defun ("strerror" c-strerror) :string
 (err :int))

(defun get-errno ()
 errno)

(defun set-errno (errno)
 (setf *errno* errno))

(define-condition system-error (error)
 ((:errno :initarg :errno :reader system-error-errno))
 (:report (lambda (c stream)
 (format stream "System error: ~A: ~A"
 (system-error-errno c)
 (c-strerror (system-error-errno c))))))
 (:documentation "Signalled when an errno is encountered.))

; Needed to write passphrases.
(defun ("write" c-write) ssize-t
 (fd :int)
 (buffer :string) ; Actually :pointer, but we only need string.
 (size size-t))

(defun system-write (fd buffer size)
 (let ((res (c-write fd buffer size)))
 (when (< res 0) (error 'system-error
 :errno (get-errno)))
 res))

;;;
;;; C Interface Definitions

```

;;;

;;; Data Type Interface

;;; Some new data types used for easier translation.

;;; The number of include certs. Translates to NIL for default.

```
(defctype cert-int-t
 (:wrapper :int
 :from-c translate-cert-int-t-from-foreign
 :to-c translate-cert-int-t-to-foreign))
```

;;; A string that may be NIL to indicate a null pointer.

```
(defctype string-or-nil-t
 (:wrapper :string
 :to-c translate-string-or-nil-t-to-foreign))
```

;;; Some opaque data types used by GPGME.

```
(defctype gpgme-ctx-t
 (:wrapper :pointer
 :to-c translate-gpgme-ctx-t-to-foreign)
 "The GPGME context type.")
```

```
(defctype gpgme-data-t
 (:wrapper :pointer
 :to-c translate-gpgme-data-t-to-foreign)
 "The GPGME data object type.")
```

;;; Wrappers for the libgpg-error library.

```
(defctype gpgme-error-t
 (:wrapper gpg-error::gpg-error-t
 :from-c translate-gpgme-error-t-from-foreign
 :to-c translate-gpgme-error-t-to-foreign)
 "The
 GPGME error type.")
```

```
(defctype gpgme-error-no-signal-t
 (:wrapper gpg-error::gpg-error-t
 :from-c translate-gpgme-error-no-signal-t-from-foreign)
 "The GPGME error type (this version does not signal conditions in translation.)")
```

```
(defctype gpgme-err-code-t gpg-error::gpg-err-code-t
 "The GPGME error code type.")
```

```
(defctype gpgme-err-source-t gpg-error::gpg-err-source-t
 "The GPGME error source type.")
```



```

(defun gpgme-err-make (source code)
 "Construct an error value from an error code and source."
 (gpg-err-make source code))

(defun gpgme-error (code)
 "Construct an error value from an error code."
 (gpgme-err-make :gpg-err-source-gpgme code))

(defun gpgme-err-code (err)
 "Retrieve an error code from the error value ERR."
 (gpg-err-code err))

(defun gpgme-err-source (err)
 "Retrieve an error source from the error value ERR."
 (gpg-err-source err))

(defun gpgme-strerror (err)
 "Return a string containing a description of the error code."
 (gpg-strerror err))

(defun
 gpgme-strsource (err)
 "Return a string containing a description of the error source."
 (gpg-strsource err))

(defun gpgme-err-code-from-errno (err)
 "Retrieve the error code for the system error. If the system error
 is not mapped, :gpg-err-unknown-errno is returned."
 (gpg-err-code-from-errno err))

(defun gpgme-err-code-to-errno (code)
 "Retrieve the system error for the error code. If this is not a
 system error, 0 is returned."
 (gpg-err-code-to-errno code))

(defun gpgme-err-make-from-errno (source err)
 (gpg-err-make-from-errno source err))

(defun gpgme-error-from-errno (err)
 (gpg-error-from-errno err))

;;;

(defcenum gpgme-data-encoding-t
 "The possible encoding mode of gpgme-data-t objects."
 (:none 0)
 (:binary 1)

```

(:base64 2)  
(:armor 3)  
(:url 4)  
(:urlesc 5)  
(:url0 6)  
(:mime 7))

:::

(defcenum gpgme-pubkey-algo-t  
"Public key algorithms from libgcrypt."

(:rsa 1)  
(:rsa-e 2)  
(:rsa-s 3)  
(:elg-e 16)  
(:dsa 17)  
(:ecc 18)  
(:elg 20)  
(:ecdsa 301)  
(:ecdh 302)  
(:eddsa 303))

(defcenum gpgme-hash-algo-t  
"Hash algorithms from libgcrypt."

(:none 0)  
(:md5 1)  
(:sha1 2)  
(:rmd160 3)  
(:md2 5)  
(:tiger 6)  
(:haval 7)  
(:sha256 8)  
(:sha384 9)  
(:sha512 10)  
(:sha224 11)  
(:md4 301)  
(:crc32 302)  
(:crc32-rfc1510 303)  
(:crc24-rfc2440 304))

:::

(defcenum gpgme-sig-mode-t  
"The available signature modes."

(:none 0)  
(:detach 1)  
(:clear 2))

:::

(defcenum gpgme-validity-t

"The available validities for a trust item or key."

(:unknown 0)

(:undefined 1)

(:never 2)

(:marginal 3)

(:full 4)

(:ultimate 5))

:::

(defcenum gpgme-protocol-t

"The available protocols."

(:openpgp 0)

(:cms 1)

(:gpgconf 2)

(:assuan 3)

(:g13 4)

(:uiserver 5)

(:spawn 6)

(:default 254)

(:unknown 255))

:::

(defbitfield (gpgme-keylist-mode-t :unsigned-int)

"The available keylist mode flags."

(:local 1)

(:extern 2)

(:sigs 4)

(:sig-notations)

(:with-secret 16)

(:with-tofu 32)

(:ephemeral

128)

(:validate 256))

:::

(defbitfield (gpgme-sig-notation-flags-t :unsigned-int)

"The available signature notation flags."

(:human-readable 1)

(:critical 2))

(defctype gpgme-sig-notation-t

(:wrapper :pointer

```
 :from-c translate-gpgme-sig-notation-t-from-foreign)
"Signature notation pointer type.")
```

```
;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-sig-notation-bitfield :unsigned-int)
 (:human-readable 1)
 (:critical 2))
```

```
(defcstruct gpgme-sig-notation
 "Signature notations."
 (next gpgme-sig-notation-t)
 (name :pointer)
 (value :pointer)
 (name-len :int)
 (value-len :int)
 (flags gpgme-sig-notation-flags-t)
 (bitfield gpgme-sig-notation-bitfield))
```

```
;;;
```

```
(defcenum gpgme-status-code-t
 "The possible status codes for the edit operation."
 (:eof 0)
 (:enter 1)
 (:leave 2)
 (:abort 3)
 (:goodsig 4)
 (:badsig 5)
 (:errsig 6)
 (:badarmor 7)
 (:rsa-or-idea 8)
 (:keyexpired 9)
 (:keyrevoked 10)
 (:trust-undefined 11)
 (:trust-never
 12)
 (:trust-marginal 13)
 (:trust-fully 14)
 (:trust-ultimate 15)
 (:shm-info 16)
 (:shm-get 17)
 (:shm-get-bool 18)
 (:shm-get-hidden 19)
 (:need-passphrase 20)
 (:validsig 21)
 (:sig-id 22)
 (:enc-to 23)
 (:nodata 24))
```

(:bad-passphrase 25)  
(:no-pubkey 26)  
(:no-seckey 27)  
(:need-passphrase-sym 28)  
(:decryption-failed 29)  
(:decryption-okay 30)  
(:missing-passphrase 31)  
(:good-passphrase 32)  
(:goodmdc 33)  
(:badmdc 34)  
(:errmdc 35)  
(:imported 36)  
(:import-ok 37)  
(:import-problem 38)  
(:import-res 39)  
(:file-start 40)  
(:file-done 41)  
(:file-error 42)  
(:begin-decryption 43)  
(:end-decryption 44)  
(:begin-encryption 45)  
(:end-encryption 46)  
(:delete-problem 47)  
(:get-bool 48)  
(:get-line 49)  
(:get-hidden 50)  
(:got-it 51)  
(:progress 52)  
(:sig-created 53)  
(:session-key 54)  
(:notation-name 55)  
(:notation-data 56)  
(:policy-url 57)  
(:begin-stream 58)  
(:end-stream 59)  
(:key-created 60)  
(:userid-hint 61)  
(:unexpected  
62)  
(:inv-recp 63)  
(:no-recp 64)  
(:already-signed 65)  
(:sigexpired 66)  
(:expsig 67)  
(:expkeysig 68)  
(:truncated 69)  
(:error 70)  
(:newsig 71)

```
(:revkeysig 72)
(:sig-subpacket 73)
(:need-passphrase-pin 74)
(:sc-op-failure 75)
(:sc-op-success 76)
(:cardctrl 77)
(:backup-key-created 78)
(:pka-trust-bad 79)
(:pka-trust-good 80)
(:plaintext 81)
(:inv-sgnr 82)
(:no-sgnr 83)
(:success 84)
(:decryption-info 85)
(:plaintext-length 86)
(:mountpoint 87)
(:pinentry-launched 88)
(:attribute 89)
(:begin-signing 90)
(:key-not-created 91)
(:inquire-maxlen 92)
(:failure 93)
(:key-considered 94)
(:tofu-user 95)
(:tofu-stats 96)
(:tofu-stats-long 97)
(:notation-flags 98)
(:decryption-compliance-mode 99)
(:verification-compliance-mode 100))
```

```
;;;
```

```
(defctype gpgme-engine-info-t
 (:wrapper :pointer
 :from-c translate-gpgme-engine-info-t-to-foreign)
 "The engine information structure pointer type.")
```

```
(defcstruct gpgme-engine-info
 "Engine information."
 (next gpgme-engine-info-t)
 (protocol gpgme-protocol-t)
 (file-name :string)
 (version :string)
 (req-version :string)
 (home-dir :string))
```

```
;;;
```

```
(defctype gpgme-subkey-t
 (:wrapper :pointer
 :from-c translate-gpgme-subkey-t-from-foreign)
 "A subkey from a key.")
```

```
:: FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-subkey-bitfield :unsigned-int)
 "The subkey bitfield."
 (:revoked 1)
 (:expired 2)
 (:disabled 4)
 (:invalid 8)
 (:can-encrypt 16)
 (:can-sign 32)
 (:can-certify 64)
 (:secret 128)
 (:can-authenticate 256)
 (:is-qualified 512)
 (:is-cardkey 1024)
 (:is-de-vs 2048))
```

```
(defcstruct gpgme-subkey
 "Subkey from a key."
 (next gpgme-subkey-t)
 (bitfield gpgme-subkey-bitfield)
 (pubkey-algo gpgme-pubkey-algo-t)
 (length :unsigned-int)
 (keyid :string)
 (-keyid :char :count 17)
 (fpr :string)
 (timestamp :long)
 (expires :long))
```

```
(defctype gpgme-key-sig-t
 (:wrapper :pointer
 :from-c translate-gpgme-key-sig-t-from-foreign)
 "A signature on a user ID.")
```

```
:: FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-key-sig-bitfield :unsigned-int)
 "The key signature bitfield."
 (:revoked 1)
 (:expired 2)
 (:invalid 4)
 (:exportable 16))
```

```
(defcstruct gpgme-key-sig
```

```

"A signature on a user ID."
(next gpgme-key-sig-t)
(bitfield gpgme-key-sig-bitfield)
(pubkey-algo gpgme-pubkey-algo-t)
(keyid :string)
(-keyid :char :count 17)
(timestamp :long)
(expires :long)
(status gpgme-error-no-signal-t)
(-class :unsigned-int)
(uid :string)
(name :string)
(email :string)
(comment :string)
(sig-class :unsigned-int))

(defctype gpgme-user-id-t
 (:wrapper :pointer
 :from-c translate-gpgme-user-id-t-from-foreign)
 "A user ID from a key.")

;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-user-id-bitfield :unsigned-int)
 "The user ID bitfield."
 (:revoked 1)
 (:invalid 2))

(defcstruct gpgme-user-id
 "A user ID from a key."
 (next
 gpgme-user-id-t)
 (bitfield gpgme-user-id-bitfield)
 (validity gpgme-validity-t)
 (uid :string)
 (name :string)
 (email :string)
 (comment :string)
 (signatures gpgme-key-sig-t)
 (-last-keysig gpgme-key-sig-t))

(defctype gpgme-key-t
 (:wrapper :pointer
 :from-c translate-gpgme-key-t-from-foreign
 :to-c translate-gpgme-key-t-to-foreign)
 "A key from the keyring.")

```



```

;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-key-bitfield :unsigned-int)
 "The key bitfield."
 (:revoked 1)
 (:expired 2)
 (:disabled 4)
 (:invalid 8)
 (:can-encrypt 16)
 (:can-sign 32)
 (:can-certify 64)
 (:secret 128)
 (:can-authenticate 256)
 (:is-qualified 512))

(defcstruct gpgme-key
 "A signature on a user ID."
 (-refs :unsigned-int)
 (bitfield gpgme-key-bitfield)
 (protocol gpgme-protocol-t)
 (issuer-serial :string)
 (issuer-name :string)
 (chain-id :string)
 (owner-trust gpgme-validity-t)
 (subkeys gpgme-subkey-t)
 (uids gpgme-user-id-t)
 (-last-subkey gpgme-subkey-t)
 (-last-uid gpgme-user-id-t)
 (keylist-mode gpgme-keylist-mode-t))

;;;

;;; There is no support in CFFI to define callback C types and have
;;; automatic type checking with the callback definition.

(defctype gpgme-passphrase-cb-t :pointer)

(defctype gpgme-progress-cb-t :pointer)

(defctype gpgme-edit-cb-t :pointer)

;;;
;;; Function Interface
;;;

;;; Context management functions.

(defcfun ("gpgme_new" c-gpgme-new) gpgme-error-t

```

```

(ctx :pointer))

(defcfun ("gpgme_release" c-gpgme-release) :void
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_protocol" c-gpgme-set-protocol) gpgme-error-t
 (ctx gpgme-ctx-t)
 (proto gpgme-protocol-t))

(defcfun ("gpgme_get_protocol" c-gpgme-get-protocol) gpgme-protocol-t
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_get_protocol_name" c-gpgme-get-protocol-name) :string
 (proto gpgme-protocol-t))

(defcfun ("gpgme_set_armor" c-gpgme-set-armor) :void
 (ctx gpgme-ctx-t)
 (yes :boolean))

(defcfun ("gpgme_get_armor" c-gpgme-get-armor) :boolean
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_textmode" c-gpgme-set-textmode) :void
 (ctx gpgme-ctx-t)
 (yes :boolean))

(defcfun ("gpgme_get_textmode" c-gpgme-get-textmode) :boolean
 (ctx gpgme-ctx-t))

(defconstant +include-certs-default+ -256)

(defcfun ("gpgme_set_include_certs" c-gpgme-set-include-certs) :void
 (ctx gpgme-ctx-t)
 (nr-of-certs cert-int-t))

(defcfun ("gpgme_get_include_certs" c-gpgme-get-include-certs) cert-int-t
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_keylist_mode" c-gpgme-set-keylist-mode) gpgme-error-t
 (ctx gpgme-ctx-t)
 (mode gpgme-keylist-mode-t))

(defcfun ("gpgme_get_keylist_mode" c-gpgme-get-keylist-mode)
 gpgme-keylist-mode-t
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_passphrase_cb" c-gpgme-set-passphrase-cb) :void
 (ctx gpgme-ctx-t))

```

```

(cb gpgme-passphrase-cb-t)
(hook-value :pointer))

(defcfun ("gpgme_get_passphrase_cb" c-gpgme-get-passphrase-cb) :void
 (ctx gpgme-ctx-t)
 (cb-p :pointer)
 (hook-value-p :pointer))

(defcfun ("gpgme_set_progress_cb"
 c-gpgme-set-progress-cb) :void
 (ctx gpgme-ctx-t)
 (cb gpgme-progress-cb-t)
 (hook-value :pointer))

(defcfun ("gpgme_get_progress_cb" c-gpgme-get-progress-cb) :void
 (ctx gpgme-ctx-t)
 (cb-p :pointer)
 (hook-value-p :pointer))

(defcfun ("gpgme_set_locale" c-gpgme-set-locale) gpgme-error-t
 (ctx gpgme-ctx-t)
 (category :int)
 (value string-or-nil-t))

(defcfun ("gpgme_ctx_get_engine_info" c-gpgme-ctx-get-engine-info)
 gpgme-engine-info-t
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_ctx_set_engine_info" c-gpgme-ctx-set-engine-info)
 gpgme-error-t
 (ctx gpgme-ctx-t)
 (proto gpgme-protocol-t)
 (file-name string-or-nil-t)
 (home-dir string-or-nil-t))

;;;

(defcfun ("gpgme_pubkey_algo_name" c-gpgme-pubkey-algo-name) :string
 (algo gpgme-pubkey-algo-t))

(defcfun ("gpgme_hash_algo_name" c-gpgme-hash-algo-name) :string
 (algo gpgme-hash-algo-t))

;;;

(defcfun ("gpgme_signers_clear" c-gpgme-signers-clear) :void
 (ctx gpgme-ctx-t))

```

```

(defcfun ("gpgme_signers_add" c-gpgme-signers-add)
 gpgme-error-t
 (ctx gpgme-ctx-t)
 (key gpgme-key-t))

(defcfun ("gpgme_signers_enum" c-gpgme-signers-enum) gpgme-key-t
 (ctx gpgme-ctx-t)
 (seq :int))

;;;

(defcfun ("gpgme_sig_notation_clear" c-gpgme-sig-notation-clear) :void
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_sig_notation_add" c-gpgme-sig-notation-add) gpgme-error-t
 (ctx gpgme-ctx-t)
 (name :string)
 (value string-or-nil-t)
 (flags gpgme-sig-notation-flags-t))

(defcfun ("gpgme_sig_notation_get" c-gpgme-sig-notation-get)
 gpgme-sig-notation-t
 (ctx gpgme-ctx-t))

;;; Run Control.

;;; There is no support in CFFI to define callback C types and have
;;; automatic type checking with the callback definition.

(defctype gpgme-io-cb-t :pointer)

(defctype gpgme-register-io-cb-t :pointer)

(defctype gpgme-remove-io-cb-t :pointer)

(defcenum gpgme-event-io-t
 "The possible events on I/O event callbacks."
 (:start 0)
 (:done 1)
 (:next-key 2)
 (:next-trustitem 3))

(defctype gpgme-event-io-cb-t :pointer)

(defcstruct
 gpgme-io-cbs
 "I/O callbacks."
 (add gpgme-register-io-cb-t)

```

```

(add-priv :pointer)
(remove gpgme-remove-io-cb-t)
(event gpgme-event-io-cb-t)
(event-priv :pointer))

(defctype gpgme-io-cbs-t :pointer)

(defcfun ("gpgme_set_io_cbs" c-gpgme-set-io-cbs) :void
 (ctx gpgme-ctx-t)
 (io-cbs gpgme-io-cbs-t))

(defcfun ("gpgme_get_io_cbs" c-gpgme-get-io-cbs) :void
 (ctx gpgme-ctx-t)
 (io-cbs gpgme-io-cbs-t))

(defcfun ("gpgme_wait" c-gpgme-wait) gpgme-ctx-t
 (ctx gpgme-ctx-t)
 (status-p :pointer)
 (hang :int))

```

;;; Functions to handle data objects.

;;; There is no support in CFFI to define callback C types and have  
 ;;; automatic type checking with the callback definition.

```

(defctype gpgme-data-read-cb-t :pointer)
(defctype gpgme-data-write-cb-t :pointer)
(defctype gpgme-data-seek-cb-t :pointer)
(defctype gpgme-data-release-cb-t :pointer)

(defcstruct gpgme-data-cbs
 "Data callbacks."
 (read gpgme-data-read-cb-t)
 (write gpgme-data-write-cb-t)
 (seek gpgme-data-seek-cb-t)
 (release gpgme-data-release-cb-t))

(defctype gpgme-data-cbs-t :pointer
 "Data callbacks pointer.")

(defcfun ("gpgme_data_read" c-gpgme-data-read) ssize-t
 (dh gpgme-data-t)
 (buffer :pointer)
 (size size-t))

(defcfun ("gpgme_data_write" c-gpgme-data-write) ssize-t
 (dh gpgme-data-t)
 (buffer :pointer)

```

```

(size size-t))

(defcfun ("gpgme_data_seek" c-gpgme-data-seek) off-t
 (dh gpgme-data-t)
 (offset off-t)
 (whence :int))

(defcfun ("gpgme_data_new" c-gpgme-data-new) gpgme-error-t
 (dh-p :pointer))

(defcfun ("gpgme_data_release" c-gpgme-data-release) :void
 (dh gpgme-data-t))

(defcfun ("gpgme_data_new_from_mem" c-gpgme-data-new-from-mem) gpgme-error-t
 (dh-p :pointer)
 (buffer :pointer)
 (size size-t)
 (copy :int))

(defcfun ("gpgme_data_release_and_get_mem" c-gpgme-data-release-and-get-mem)
 :pointer
 (dh gpgme-data-t)
 (len-p :pointer))

(defcfun ("gpgme_data_new_from_cbs" c-gpgme-data-new-from-cbs) gpgme-error-t
 (dh-p :pointer)
 (cbs gpgme-data-cbs-t)
 (handle :pointer))

(defcfun ("gpgme_data_new_from_fd" c-gpgme-data-new-from-fd) gpgme-error-t
 (dh-p :pointer)
 (fd :int))

(defcfun ("gpgme_data_new_from_stream" c-gpgme-data-new-from-stream)
 gpgme-error-t
 (dh-p :pointer)
 (stream :pointer))

(defcfun ("gpgme_data_get_encoding" c-gpgme-data-get-encoding)
 gpgme-data-encoding-t
 (dh gpgme-data-t))

(defcfun ("gpgme_data_set_encoding" c-gpgme-data-set-encoding)
 gpgme-error-t
 (dh gpgme-data-t)
 (enc gpgme-data-encoding-t))

(defcfun ("gpgme_data_get_file_name" c-gpgme-data-get-file-name) :string

```

```

(dh gpgme-data-t)

(defcfun ("gpgme_data_set_file_name" c-gpgme-data-set-file-name) gpgme-error-t
 (dh gpgme-data-t)
 (file-name string-or-nil-t))

(defcfun ("gpgme_data_new_from_file" c-gpgme-data-new-from-file) gpgme-error-t
 (dh-p :pointer)
 (fname :string)
 (copy :int))

(defcfun ("gpgme_data_new_from_filepart" c-gpgme-data-new-from-filepart)
 gpgme-error-t
 (dh-p :pointer)
 (fname :string)
 (fp
 :pointer)
 (offset off-t)
 (length size-t))

;;; Key and trust functions.

(defcfun ("gpgme_get_key" c-gpgme-get-key) gpgme-error-t
 (ctx gpgme-ctx-t)
 (fpr :string)
 (key-p :pointer)
 (secret :boolean))

(defcfun ("gpgme_key_ref" c-gpgme-key-ref) :void
 (key gpgme-key-t))

(defcfun ("gpgme_key_unref" c-gpgme-key-unref) :void
 (key gpgme-key-t))

;;; Crypto operations.

(defcfun ("gpgme_cancel" c-gpgme-cancel) gpgme-error-t
 (ctx gpgme-ctx-t))

;;;

(defctype gpgme-invalid-key-t
 (:wrapper :pointer
 :from-c translate-gpgme-invalid-key-t-from-foreign)
 "An invalid key structure.")

(defcstruct gpgme-invalid-key
 "An invalid key structure."

```

```
(next gpgme-invalid-key-t)
(fpr :string)
(reason gpgme-error-no-signal-t))
```

::: Encryption.

```
(defcstruct gpgme-op-encrypt-result
 "Encryption result structure."
 (invalid-recipients gpgme-invalid-key-t))
```

```
(defctype gpgme-op-encrypt-result-t
 (:wrapper :pointer
 :from-c translate-gpgme-op-encrypt-result-t-from-foreign)
 "An encryption result structure.")
```

```
(defcfun ("gpgme_op_encrypt_result" c-gpgme-op-encrypt-result)
 gpgme-op-encrypt-result-t
 (ctx gpgme-ctx-t))
```

```
(defbitfield gpgme-encrypt-flags-t
 (:always-trust 1)
 (:no-encrypt-to 2)
 (:prepare 4)
 (:expect-sign 8)
 (:no-compress 16)
 (:symmetric 32)
 (:throw-keyids 64)
 (:wrap 128)
 (:want-address 256))
```

```
(defcfun ("gpgme_op_encrypt_start" c-gpgme-op-encrypt-start) gpgme-error-t
 (ctx gpgme-ctx-t)
 (recp :pointer) ; Key array.
 (flags gpgme-encrypt-flags-t)
 (plain gpgme-data-t)
 (cipher gpgme-data-t))
```

```
(defcfun ("gpgme_op_encrypt" c-gpgme-op-encrypt) gpgme-error-t
 (ctx gpgme-ctx-t)
 (recp :pointer) ; Key array.
 (flags gpgme-encrypt-flags-t)
 (plain gpgme-data-t)
 (cipher gpgme-data-t))
```

```
(defcfun ("gpgme_op_encrypt_sign_start" c-gpgme-op-encrypt-sign-start)
 gpgme-error-t
 (ctx gpgme-ctx-t)
 (recp :pointer) ; Key array.
```



```
(flags gpgme-encrypt-flags-t)
```

```
(plain gpgme-data-t)
```

```
(cipher gpgme-data-t))
```

```
(defcfun ("gpgme_op_encrypt_sign"
c-gpgme-op-encrypt-sign) gpgme-error-t
(ctx gpgme-ctx-t)
(recp :pointer) ; Key array.
(flags gpgme-encrypt-flags-t)
(plain gpgme-data-t)
(cipher gpgme-data-t))
```

```
::; Decryption.
```

```
(defctype gpgme-recipient-t
(:wrapper :pointer
:from-c translate-gpgme-recipient-t-from-foreign)
"A recipient structure.")
```

```
(defcstruct gpgme-recipient
"Recipient structure."
(next gpgme-recipient-t)
(keyid :string)
(-keyid :char :count 17)
(pubkey-algo gpgme-pubkey-algo-t)
(status gpgme-error-no-signal-t))
```

```
(defbitfield gpgme-op-decrypt-result-bitfield
"Decryption result structure bitfield."
(:wrong-key-usage 1)
(:is-de-vs 2)
(:is-mine 4))
```

```
(defcstruct gpgme-op-decrypt-result
"Decryption result structure."
(unsupported-algorithm :string)
(bitfield gpgme-op-decrypt-result-bitfield)
(recipients gpgme-recipient-t)
(file-name :string))
```

```
(defctype gpgme-op-decrypt-result-t
(:wrapper :pointer
:from-c translate-gpgme-op-decrypt-result-t-from-foreign)
"A decryption result structure.")
```

```
(defcfun ("gpgme_op_decrypt_result" c-gpgme-op-decrypt-result)
gpgme-op-decrypt-result-t
(ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_decrypt_start" c-gpgme-op-decrypt-start) gpgme-error-t
 (ctx gpgme-ctx-t)
 (cipher gpgme-data-t)
 (plain gpgme-data-t))
```

```
(defcfun ("gpgme_op_decrypt" c-gpgme-op-decrypt) gpgme-error-t
 (ctx gpgme-ctx-t)
 (cipher gpgme-data-t)
 (plain gpgme-data-t))
```

```
(defcfun ("gpgme_op_decrypt_verify_start" c-gpgme-op-decrypt-verify-start)
 gpgme-error-t
 (ctx gpgme-ctx-t)
 (cipher gpgme-data-t)
 (plain gpgme-data-t))
```

```
(defcfun ("gpgme_op_decrypt_verify" c-gpgme-op-decrypt-verify) gpgme-error-t
 (ctx gpgme-ctx-t)
 (cipher gpgme-data-t)
 (plain gpgme-data-t))
```

::: Signing.

```
(defctype gpgme-new-signature-t
 (:wrapper :pointer
 :from-c translate-gpgme-new-signature-t-from-foreign)
 "A new signature structure.")
```

```
(defcstruct gpgme-new-signature
 "New signature structure."
 (next gpgme-new-signature-t)
 (type gpgme-sig-mode-t)
 (pubkey-algo gpgme-pubkey-algo-t)
 (hash-algo gpgme-hash-algo-t)
 (-obsolete-class :unsigned-long)
 (timestamp :long)
 (fpr :string)
 (-obsolete-class-2 :unsigned-int)
 (sig-class :unsigned-int))
```

```
(defcstruct gpgme-op-sign-result
 "Signing result structure."
 (invalid-signers gpgme-invalid-key-t)
 (signatures gpgme-new-signature-t))
```

```
(defctype gpgme-op-sign-result-t
 (:wrapper :pointer
```

```

 :from-c translate-gpgme-op-sign-result-t-from-foreign)
"A signing result structure.")

(defcfun ("gpgme_op_sign_result" c-gpgme-op-sign-result)
 gpgme-op-sign-result-t
 (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_sign_start" c-gpgme-op-sign-start) gpgme-error-t
 (ctx gpgme-ctx-t)
 (plain gpgme-data-t)
 (sig gpgme-data-t)
 (mode gpgme-sig-mode-t))

(defcfun ("gpgme_op_sign" c-gpgme-op-sign) gpgme-error-t
 (ctx gpgme-ctx-t)
 (plain gpgme-data-t)
 (sig gpgme-data-t)
 (mode gpgme-sig-mode-t))

```

::: Verify.

```

(defbitfield (gpgme-sigsum-t :unsigned-int)
 "Flags
used for the summary field in a gpgme-signature-t."
 (:valid #x0001)
 (:green #x0002)
 (:red #x0004)
 (:key-revoked #x0010)
 (:key-expired #x0020)
 (:sig-expired #x0040)
 (:key-missing #x0080)
 (:crl-missing #x0100)
 (:crl-too-old #x0200)
 (:bad-policy #x0400)
 (:sys-error #x0800)
 (:tofu-conflict #x1000))

```

```

(defctype gpgme-signature-t
 (:wrapper :pointer
 :from-c translate-gpgme-signature-t-from-foreign)
 "A signature structure.")

```

::: FIXME: Doesn't this depend on endianness?

```

(defbitfield (gpgme-signature-bitfield :unsigned-int)
 "The signature bitfield."
 (:wrong-key-usage 1)
 (:pka-trust 2)
 (:chain-model 4)

```

```
(:is-de-vs 8))
```

```
(defcstruct gpgme-signature
 "Signature structure."
 (next gpgme-signature-t)
 (summary gpgme-sigsum-t)
 (fpr :string)
 (status gpgme-error-no-signal-t)
 (notations gpgme-sig-notation-t)
 (timestamp :unsigned-long)
 (exp-timestamp :unsigned-long)
 (bitfield gpgme-signature-bitfield)
 (validity gpgme-validity-t)
 (validity-reason
 gpgme-error-no-signal-t)
 (pubkey-algo gpgme-pubkey-algo-t)
 (hash-algo gpgme-hash-algo-t))
```

```
(defcstruct gpgme-op-verify-result
 "Verify result structure."
 (signatures gpgme-signature-t)
 (file-name :string))
```

```
(defctype gpgme-op-verify-result-t
 (:wrapper :pointer
 :from-c translate-gpgme-op-verify-result-t-from-foreign)
 "A verify result structure.")
```

```
(defcfun ("gpgme_op_verify_result" c-gpgme-op-verify-result)
 gpgme-op-verify-result-t
 (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_verify_start" c-gpgme-op-verify-start) gpgme-error-t
 (ctx gpgme-ctx-t)
 (sig gpgme-data-t)
 (signed-text gpgme-data-t)
 (plaintext gpgme-data-t))
```

```
(defcfun ("gpgme_op_verify" c-gpgme-op-verify) gpgme-error-t
 (ctx gpgme-ctx-t)
 (sig gpgme-data-t)
 (signed-text gpgme-data-t)
 (plaintext gpgme-data-t))
```

```
::: Import.
```

```
(defbitfield (gpgme-import-flags-t :unsigned-int)
 "Flags used for the import status field."
```

```
(:new #x0001)
(:uid #x0002)
(:sig #x0004)
(:subkey #x0008)
(:secret
#x0010))
```

```
(defctype gpgme-import-status-t
 (:wrapper :pointer
 :from-c translate-gpgme-import-status-t-from-foreign)
 "An import status structure.")
```

```
(defcstruct gpgme-import-status
 "New import status structure."
 (next gpgme-import-status-t)
 (fpr :string)
 (result gpgme-error-no-signal-t)
 (status :unsigned-int))
```

```
(defcstruct gpgme-op-import-result
 "Import result structure."
 (considered :int)
 (no-user-id :int)
 (imported :int)
 (imported-rsa :int)
 (unchanged :int)
 (new-user-ids :int)
 (new-sub-keys :int)
 (new-signatures :int)
 (new-revocations :int)
 (secret-read :int)
 (secret-imported :int)
 (secret-unchanged :int)
 (skipped-new-keys :int)
 (not-imported :int)
 (imports gpgme-import-status-t))
```

```
(defctype gpgme-op-import-result-t
 (:wrapper :pointer
 :from-c translate-gpgme-op-import-result-t-from-foreign)
 "An import status result structure.")
```

```
(defcfun ("gpgme_op_import_result" c-gpgme-op-import-result)
 gpgme-op-import-result-t
 (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_import_start" c-gpgme-op-import-start) gpgme-error-t
 (ctx gpgme-ctx-t))
```

```
(keydata gpgme-data-t))
```

```
(defcfun ("gpgme_op_import" c-gpgme-op-import) gpgme-error-t
(ctx gpgme-ctx-t)
(keydata gpgme-data-t))
```

```
::: Export.
```

```
(defcfun ("gpgme_op_export_start" c-gpgme-op-export-start) gpgme-error-t
(ctx gpgme-ctx-t)
(pattern :string)
(reserved :unsigned-int)
(keydata gpgme-data-t))
```

```
(defcfun ("gpgme_op_export" c-gpgme-op-export) gpgme-error-t
(ctx gpgme-ctx-t)
(pattern :string)
(reserved :unsigned-int)
(keydata gpgme-data-t))
```

```
::: FIXME: Extended export interfaces require array handling.
```

```
::: Key generation.
```

```
(defbitfield (gpgme-genkey-flags-t :unsigned-int)
"Flags used for the key generation result bitfield."
(:primary #x0001)
(:sub #x0002)
(:uid #x0004))
```

```
(defcstruct gpgme-op-genkey-result
"Key generation result structure."
(bitfield gpgme-genkey-flags-t)
(fpr :string))
```

```
(defctype gpgme-op-genkey-result-t :pointer
"A
key generation result structure.")
```

```
(defcfun ("gpgme_op_genkey_result" c-gpgme-op-genkey-result)
gpgme-op-genkey-result-t
(ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_genkey_start" c-gpgme-op-genkey-start) gpgme-error-t
(ctx gpgme-ctx-t)
(parms :string)
(pubkey gpgme-data-t)
(seckey gpgme-data-t))
```

```
(defcfun ("gpgme_op_genkey" c-gpgme-op-genkey) gpgme-error-t
 (ctx gpgme-ctx-t)
 (parms :string)
 (pubkey gpgme-data-t)
 (seckey gpgme-data-t))
```

::: Key deletion.

```
(defcfun ("gpgme_op_delete_start" c-gpgme-op-delete-start) gpgme-error-t
 (ctx gpgme-ctx-t)
 (key gpgme-key-t)
 (allow-secret :int))
```

```
(defcfun ("gpgme_op_delete" c-gpgme-op-delete) gpgme-error-t
 (ctx gpgme-ctx-t)
 (key gpgme-key-t)
 (allow-secret :int))
```

::: FIXME: Add edit interfaces.

::: Keylist interface.

```
(defbitfield (gpgme-keylist-flags-t :unsigned-int)
 "Flags used for the key listing result bitfield."
 (:truncated #x0001))
```

```
(defcstruct gpgme-op-keylist-result
 "Key listing result structure."
 (bitfield
 gpgme-keylist-flags-t))
```

```
(defctype gpgme-op-keylist-result-t :pointer
 "A key listing result structure.")
```

```
(defcfun ("gpgme_op_keylist_result" c-gpgme-op-keylist-result)
 gpgme-op-keylist-result-t
 (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_keylist_start" c-gpgme-op-keylist-start) gpgme-error-t
 (ctx gpgme-ctx-t)
 (pattern :string)
 (secret_only :boolean))
```

::: FIXME: Extended keylisting requires array handling.

```
(defcfun ("gpgme_op_keylist_next" c-gpgme-op-keylist-next) gpgme-error-t
 (ctx gpgme-ctx-t))
```

```

(r-key :pointer))

(defcfun ("gpgme_op_keylist_end" c-gpgme-op-keylist-end) gpgme-error-t
 (ctx gpgme-ctx-t))

;;; Various functions.

(defcfun ("gpgme_check_version" c-gpgme-check-version) :string
 (req-version string-or-nil-t))

(defcfun ("gpgme_get_engine_info" c-gpgme-get-engine-info) gpgme-error-t
 (engine-info-p :pointer))

(defcfun ("gpgme_set_engine_info" c-gpgme-set-engine-info) gpgme-error-t
 (proto gpgme-protocol-t)
 (file-name string-or-nil-t)
 (home-dir
 string-or-nil-t))

(defcfun ("gpgme_engine_check_version" c-gpgme-engine-check-version)
 gpgme-error-t
 (proto gpgme-protocol-t))

;;;
;;; L I S P I N T E R F A C E
;;;

;;;
;;; Lisp type translators.
;;;

;;; Both directions.

;;; cert-int-t is a helper type that takes care of representing the
;;; default number of certs as NIL.

(defun translate-cert-int-t-from-foreign (value)
 (cond
 ((eql value +include-certs-default+) nil)
 (t value)))

(defun translate-cert-int-t-to-foreign (value)
 (cond
 (value value)
 (t +include-certs-default+)))

;;; string-or-nil-t translates a null pointer to NIL and vice versa.
;;; Translation from foreign null pointer already works as expected.

```



```
(defun translate-string-or-nil-t-to-foreign (value)
 (cond
 (value value)
 (t (null-pointer))))
```

;;; Output only.

;;; These type translators only convert from foreign type, because we  
;;; never use these types in the other direction.

;;; Convert gpgme-engine-info-t linked lists into a  
list of property  
;;; lists. Note that this converter will automatically be invoked  
;;; recursively.  
;;;  
;;; FIXME: Should we use a hash table (or struct, or clos) instead of  
;;; property list, as recommended by the Lisp FAQ?

```
(defun translate-gpgme-engine-info-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next protocol file-name version req-version home-dir)
 value (:struct gpgme-engine-info))
 (append (list protocol (list
 :file-name file-name
 :version version
 :req-version req-version
 :home-dir home-dir))
 next))))))
```

```
(defun translate-gpgme-invalid-key-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next fpr reason)
 value (:struct gpgme-invalid-key))
 (append (list (list :fpr fpr
 :reason reason))
 next))))))
```

```
(defun translate-gpgme-op-encrypt-result-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
```

```

(invalid-recipients)
 value (:struct gpgme-op-encrypt-result))
(list :encrypt
 (list :invalid-recipients invalid-recipients))))))

(defun translate-gpgme-recipient-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next keyid pubkey-algo status)
 value (:struct gpgme-recipient))
 (append (list (list :keyid keyid
 :pubkey-algo pubkey-algo
 :status status))
 next))))))

(defun translate-gpgme-op-decrypt-result-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((unsupported-algorithm bitfield recipients file-name)
 value (:struct gpgme-op-decrypt-result))
 (list :decrypt (list :unsupported-algorithm unsupported-algorithm
 :bitfield bitfield
 :recipients recipients
 :file-name file-name))))))

(defun translate-gpgme-new-signature-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next
 type pubkey-algo hash-algo timestamp fpr sig-class)
 value (:struct gpgme-new-signature))
 (append (list (list :type type
 :pubkey-algo pubkey-algo
 :hash-algo hash-algo
 :timestamp timestamp
 :fpr fpr
 :sig-class sig-class))
 next))))))

(defun translate-gpgme-op-sign-result-t-from-foreign (value)
 (cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((invalid-signers signatures)
 value (:struct gpgme-op-sign-result))
 (list :invalid-signers invalid-signers))))))

```

```

(list :sign (list :invalid-signers invalid-signers
:signatures signatures))))))

(defun translate-gpgme-signature-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((next summary fpr status notations timestamp
exp-timestamp bitfield validity validity-reason
pubkey-algo hash-algo)
value (:struct gpgme-signature))
(append (list (list :summary summary
:fpr fpr
:status status
:notations notations
:timestamp timestamp

:exp-timestamp exp-timestamp
:bitfield bitfield
:validity validity
:validity-reason validity-reason
:pubkey-algo pubkey-algo))
next))))))

(defun translate-gpgme-op-verify-result-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((signatures file-name)
value (:struct gpgme-op-verify-result))
(list :verify (list :signatures signatures
:file-name file-name))))))

(defun translate-gpgme-import-status-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((next fpr result status)
value (:struct gpgme-import-status))
(append (list (list :fpr fpr
:result result
:status status))
next))))))

(defun translate-gpgme-op-import-result-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots

```

```

((considered no-user-id imported imported-rsa unchanged
new-user-ids new-sub-keys new-signatures
new-revocations
secret-read secret-imported
secret-unchanged skipped-new-keys not-imported
imports)
value (:struct gpgme-op-import-result))
(list :verify (list :considered considered
:no-user-id no-user-id
:imported imported
:imported-rsa imported-rsa
:unchanged unchanged
:new-user-ids new-user-ids
:new-sub-keys new-sub-keys
:new-signatures new-signatures
:new-revocations new-revocations
:secret-read secret-read
:secret-imported secret-imported
:secret-unchanged secret-unchanged
:skipped-new-keys skipped-new-keys
:not-imported not-imported
:imports imports))))))

;; Error handling.

;; Use gpgme-error-no-signal-t to suppress automatic error handling
;; at translation time.
;;
;; FIXME: Part of this probably should be in gpg-error!

(define-condition gpgme-error (error)
 ((value :initarg :gpgme-error :reader gpgme-error-value))
 (:report (lambda (c stream)

 (format stream "GPGME returned error: ~A (~A)"
 (gpgme-strerror (gpgme-error-value c))
 (gpgme-strsource (gpgme-error-value c))))))
 (:documentation "Signalled when a GPGME function returns an error.))

(defun translate-gpgme-error-t-from-foreign (value)
 "Raise a GPGME-ERROR if VALUE is non-zero."
 (when (not (eql (gpgme-err-code value) :gpg-err-no-error))
 (error 'gpgme-error :gpgme-error value))
 (gpg-err-canonicalize value))

(defun translate-gpgme-error-t-to-foreign (value)
 "Canonicalize the error value."
 (if (eql (gpgme-err-code value) :gpg-err-no-error)

```

```

0
(gpg-err-as-value value)))

(defun translate-gpgme-error-no-signal-t-from-foreign (value)
 "Canonicalize the error value."
 (gpg-err-canonicalize value))

;;; *INTERNAL* Lispy Function Interface that is still close to the C
;;; interface.

;;; Passphrase callback management.

;;; Maybe: Instead, use subclassing, and provide a customizable
;;; default implementation for ease-of-use.

(defvar
 passphrase-handles (make-hash-table)
 "Hash table with GPGME context address as key and the corresponding
 passphrase callback object as value.")

(defcallback passphrase-cb gpgme-error-t ((handle :pointer)
 (uid-hint :string)
 (passphrase-info :string)
 (prev-was-bad :boolean)
 (fd :int))
 (handler-case
 (let* ((passphrase-cb
 (gethash (pointer-address handle) *passphrase-handles*))
 (passphrase
 (cond
 ((functionp passphrase-cb)
 (concatenate 'string
 (funcall passphrase-cb uid-hint passphrase-info
 prev-was-bad)
 '(\Newline))))
 (t (concatenate 'string passphrase-cb '(\Newline))))
 (passphrase-len (length passphrase))
 ;; FIXME: Could be more robust.
 (res (system-write fd passphrase passphrase-len)))
 (cond
 ((< res passphrase-len) ; FIXME: Blech. A weak attempt to be robust.
 (gpgme-error :gpg-err-ival))
 (t (gpgme-error :gpg-err-no-error))))
 (gpgme-error (err)
 (gpgme-error-value err)
 (system-error (err) (gpgme-error-from-errno (system-error-errno err)))
 ;; FIXME: The original error gets lost here.

```

```
(condition (err) (progn
 (when *debug*
 (format t "DEBUG: passphrase-cb: Unexpressable: ~A~%"
 err))
 (gpgme-error :gpg-err-general))))))
```

;;; CTX is a C-pointer to the context.

```
(defun gpgme-set-passphrase-cb (ctx cb)
 "Set the passphrase callback for CTX."
 (let ((handle (pointer-address ctx)))
 (cond
 (cb (setf (gethash handle *passphrase-handles*) cb)
 (c-gpgme-set-passphrase-cb ctx (callback passphrase-cb) ctx)
 (t (c-gpgme-set-passphrase-cb ctx (null-pointer) (null-pointer))
 (remhash handle *passphrase-handles*))))))
```

;;; Progress callback management.

;;; Maybe: Instead, use subclassing, and provide a customizable  
 default implementation for ease-of-use.

```
(defvar *progress-handles* (make-hash-table)
 "Hash table with GPGME context address as key and the corresponding

 progress callback

 object as value.")
```

```
(defcallback progress-cb :void ((handle :pointer)
 (what :string)
 (type :int)
 (current :int)
 (total :int))
 (handler-case
 (let* ((progress-cb
 (gethash (pointer-address handle) *progress-handles*)))
 (funcall progress-cb what type current total))
 ;; FIXME: The original error gets lost here.
 (condition (err) (when *debug*
 (format t "DEBUG: progress-cb: Unexpressable: ~A~%"
 err))))))
```

;;; CTX is a C-pointer to the context.

```
(defun gpgme-set-progress-cb (ctx cb)
 "Set the progress callback for CTX."
 (let ((handle (pointer-address ctx)))
 (cond
 (cb (setf (gethash handle *progress-handles*) cb)
 (c-gpgme-set-progress-cb ctx (callback progress-cb) ctx)
 (t (c-gpgme-set-progress-cb ctx (null-pointer) (null-pointer))
```

```

(remhash handle *progress-handles*))))))

;;; Context management.

(defun gpgme-new (&key (protocol :openpgp) armor textmode include-certs
 keylist-mode passphrase progress file-name
 home-dir)
 "Allocate a new GPGME context."
 (with-foreign-object (ctx-p 'gpgme-ctx-t)
 (c-gpgme-new ctx-p)
 (let ((ctx (mem-ref ctx-p 'gpgme-ctx-t)))
 ;; Set locale?
 (gpgme-set-protocol ctx protocol)
 (gpgme-set-armor ctx armor)
 (gpgme-set-textmode ctx textmode)
 (when include-certs (gpgme-set-include-certs ctx include-certs))
 (when keylist-mode (gpgme-set-keylist-mode ctx keylist-mode))
 (gpgme-set-passphrase-cb ctx passphrase)
 (gpgme-set-progress-cb ctx progress)
 (gpgme-set-engine-info ctx protocol
 :file-name file-name :home-dir home-dir)
 (when *debug* (format t "DEBUG: gpgme-new: ~A~%" ctx)
 ctx)))

(defun gpgme-release (ctx)
 "Release a GPGME context."
 (when *debug* (format t "DEBUG: gpgme-release: ~A~%" ctx))
 (c-gpgme-release ctx))

(defun gpgme-set-protocol (ctx proto)
 "Set the protocol to be used by CTX to PROTO."
 (c-gpgme-set-protocol ctx proto))

(defun gpgme-get-protocol (ctx)
 "Get
 the protocol used with CTX."
 (c-gpgme-get-protocol ctx))

;;; FIXME: How to do pretty printing?
;;;
;;; gpgme-get-protocol-name

(defun gpgme-set-armor (ctx armor)
 "If ARMOR is true, enable armor mode in CTX, disable it otherwise."
 (c-gpgme-set-armor ctx armor))

(defun gpgme-armor-p (ctx)
 "Return true if armor mode is set for CTX."

```

```

(c-gpgme-get-armor ctx))

(defun gpgme-set-textmode (ctx textmode)
 "If TEXTMODE is true, enable text mode mode in CTX, disable it otherwise."
 (c-gpgme-set-textmode ctx textmode))

(defun gpgme-textmode-p (ctx)
 "Return true if text mode mode is set for CTX."
 (c-gpgme-get-textmode ctx))

(defun gpgme-set-include-certs (ctx &optional certs)
 "Include up to CERTS certificates in an S/MIME message."
 (c-gpgme-set-include-certs ctx certs))

(defun gpgme-get-include-certs (ctx)
 "Return the number of certs to include in an S/MIME message,
 or NIL if the default is used."
 (c-gpgme-get-include-certs ctx))

(defun gpgme-get-keylist-mode (ctx)
 "Get the keylist mode in CTX."
 (c-gpgme-get-keylist-mode ctx))

(defun gpgme-set-keylist-mode (ctx mode)
 "Set the keylist mode in CTX."
 (c-gpgme-set-keylist-mode ctx mode))

;;; FIXME: How to handle locale? cffi-grovel?

(defun gpgme-get-engine-info (&optional ctx)
 "Retrieve the engine info for CTX, or the default if CTX is omitted."
 (cond
 (ctx (c-gpgme-ctx-get-engine-info ctx))
 (t (with-foreign-object (info-p 'gpgme-engine-info-t)
 (c-gpgme-get-engine-info info-p)
 (mem-ref info-p 'gpgme-engine-info-t)))))

(defun gpgme-set-engine-info (ctx proto &key file-name home-dir)
 "Set the engine info for CTX, or the default if CTX is NIL."
 (cond
 (ctx (c-gpgme-ctx-set-engine-info ctx proto file-name home-dir))
 (t (c-gpgme-set-engine-info proto file-name home-dir))))

;;; FIXME: How to do pretty printing?
;;;
;;; gpgme_pubkey_algo_name, gpgme_hash_algo_name

```



```

(defun gpgme-set-signers (ctx keys)
 "Set the signers for the context CTX."
 (c-gpgme-signers-clear ctx)
 (dolist (key keys) (c-gpgme-signers-add ctx key)))

;;;

(defun gpgme-set-sig-notation (ctx notations)
 "Set the sig notation for the context CTX."
 (c-gpgme-sig-notation-clear ctx)
 (dolist (notation notations)
 (c-gpgme-sig-notation-add
 ctx (first notation) (second notation) (third notation))))

(defun gpgme-get-sig-notation (ctx)
 "Get the signature notation data for the context CTX."
 (c-gpgme-sig-notation-get ctx))

;;; FIXME: Add I/O callback interface, for integration with clg.

;;; FIXME: Add gpgme_wait?

;;; Streams
;;; -----
;;;
;;; GPGME uses standard streams. You can define your own streams, or
;;; use the existing file or string streams.
;;;
;;; A stream-spec is either a stream, or a list with a stream as its
;;; first argument followed by keyword parameters: encoding,
;;; file-name.
;;;
;;; FIXME: Eventually, we should provide a class that can be mixed
;;; into stream classes and which provides accessors for encoding and
;;; file-names. This interface
;;; should be provided in addition to the
;;; above sleazy interface, because the sleazy interface is easier to
;;; use (less typing), and is quite sufficient in a number of cases.
;;;
;;; For best results, streams with element type (unsigned-byte 8)
;;; should be used. Character streams may work if armor mode is used.

;;; Do we need to provide access to GPGME data objects through streams
;;; as well? It seems to me that specific optimizations, like
;;; directly writing to file descriptors, is better done by extending
;;; the sleazy syntax (stream-spec) instead of customized streams.
;;; Customized streams do buffering, and this may mess up things. Mmh.

```

```

(defvar *data-handles* (make-hash-table)
 "Hash table with GPGME data user callback handle address as key
 and the corresponding stream as value.")

;;; The release callback removes the stream from the *data-handles*
;;; hash and releases the CBS structure that is used as the key in
;;; that hash. It is implicitly invoked (through
GPGME) by
;;; gpgme-data-release.
(defcallback data-release-cb :void ((handle :pointer))
 (unwind-protect (remhash (pointer-address handle) *data-handles*)
 (when (not (null-pointer-p handle)) (foreign-free handle))))

(defcallback data-read-cb ssize-t ((handle :pointer) (buffer :pointer)
 (size size-t))
 (when *debug* (format t "DEBUG: gpgme-data-read-cb: want ~A~%" size))
 (let ((stream (gethash (pointer-address handle) *data-handles*)))
 (cond
 (stream
 (let* ((stream-type (stream-element-type stream))
 (seq (make-array size :element-type stream-type))
 (read (read-sequence seq stream)))
 (cond
 ((equal stream-type '(unsigned-byte 8))
 (dotimes (i read)
 (setf (mem-aref buffer :unsigned-char i)
 (aref (the byte-array seq) i))))
 ((eql stream-type 'character)
 (dotimes (i read)
 (setf (mem-aref buffer :unsigned-char
 (+ i 1))
 (char-code (aref (the character-array seq) i))))))
 (t
 (dotimes (i read)
 (setf (mem-aref buffer :unsigned-char i)
 (coerce (aref seq i) '(unsigned-byte 8))))))
 (when *debug* (format t "DEBUG: gpgme-data-read-cb: read ~A~%" read))
 read))
 (t
 (set-errno +ebadf+)
 -1))))

(defcallback data-write-cb ssize-t ((handle :pointer) (buffer :pointer)
 (size size-t))
 (when *debug* (format t "DEBUG: gpgme-data-write-cb: want ~A~%" size))
 (let ((stream (gethash (pointer-address handle) *data-handles*)))
 (cond
 (stream

```

```

(let* ((stream-type (stream-element-type stream))
 (seq (make-array size :element-type stream-type)))
 (cond
 ((equal stream-type '(unsigned-byte 8))
 (dotimes (i size)
 (setf (aref (the byte-array seq) i)
 (mem-aref buffer :unsigned-char i))))
 ((eql stream-type 'character)
 (dotimes (i size)
 (setf (aref (the character-array seq) i)
 (code-char (mem-aref buffer :unsigned-char i)))))
 (t
 (dotimes (i size)
 (setf (aref seq i)
 (coerce (mem-aref buffer :unsigned-char i) stream-type))))))
 (write-sequence seq stream)
 size))
(t
 (set-errno +ebadf+
 -1)))

```

;;; This little helper macro allows us to swallow the cbs structure by  
 ;;; simply setting it to a null pointer, but still protect against  
 ;;; conditions.

```

(defmacro with-cbs-swallowed ((cbs) &body body)
 `(let ((,cbs (foreign-alloc '(:struct gpgme-data-cbs))))
 (unwind-protect (progn ,@body)
 (when (not (null-pointer-p ,cbs)) (foreign-free ,cbs))))))

```

```

(defun gpgme-data-new (stream &key encoding file-name)
 "Allocate a new GPGME data object for STREAM."
 (with-foreign-object (dh-p 'gpgme-data-t)
 ;;; We allocate one CBS structure
 for each stream we wrap in a
 ;;; data object. Although we could also share all these
 ;;; structures, as they contain the very same callbacks, we need a
 ;;; unique C pointer as handle anyway to look up the stream in the
 ;;; callback. This is a convenient one to use.

```

```

(with-cbs-swallowed (cbs)
 (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'read)
 (callback data-read-cb))
 (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'write)
 (callback data-write-cb))
 (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'seek)
 (null-pointer))
 (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'release)
 (callback data-release-cb))
 (c-gpgme-data-new-from-cbs dh-p cbs cbs)

```

```

 (let ((dh (mem-ref dh-p 'gpgme-data-t)))
 (when encoding (gpgme-data-set-encoding dh encoding))
 (when file-name (gpgme-data-set-file-name dh file-name))
 ;; Install the stream into the hash table and
 swallow the cbs
 ;; structure while protecting against any errors.
 (unwind-protect
 (progn
 (setf (gethash (pointer-address cbs) *data-handles*) stream)
 (setf cbs (null-pointer)))
 (when (not (null-pointer-p cbs)) (c-gpgme-data-release dh)))
 (when *debug* (format t "DEBUG: gpgme-data-new: ~A~%" dh)
 dh))))

;; This function releases a GPGME data object. It implicitly
;; invokes the data-release-cb function to clean up associated junk.
(defun gpgme-data-release (dh)
 "Release a GPGME data object."
 (when *debug* (format t "DEBUG: gpgme-data-release: ~A~%" dh))
 (c-gpgme-data-release dh))

(defclass data ()
 (c-data) ; The C data object pointer
 (:documentation "The GPGME data type.))

(defmethod initialize-instance :after ((data data) &key streamspec
 &allow-other-keys)
 (let ((c-data (if (listp streamspec)
 (apply #'gpgme-data-new streamspec)
 (gpgme-data-new streamspec)))
 (cleanup t))
 (unwind-protect
 (progn
 (setf (slot-value data 'c-data) c-data)
 (finalize data (lambda () (gpgme-data-release c-data)))
 (setf cleanup nil))
 (if cleanup (gpgme-data-release c-data))))))

(defun translate-gpgme-data-t-to-foreign (value)
 ;; Allow a pointer to be passed directly for the finalizer to work.
 (cond
 ((null value) (null-pointer))
 ((pointerp value) value)
 (t (slot-value value 'c-data))))

(defmacro with-gpgme-data ((dh streamspec) &body body)
 `(let ((,dh (make-instance 'data :streamspec ,streamspec)))
 ,@body))

```

```

(defun gpgme-data-get-encoding (dh)
 "Get the encoding associated with the data object DH."
 (c-gpgme-data-get-encoding dh))

(defun gpgme-data-set-encoding (dh encoding)
 "Set the encoding associated with the data object DH to ENCODING."
 (c-gpgme-data-set-encoding dh encoding))

(defun gpgme-data-get-file-name (dh)
 "Get the file name associated with the data object
 DH."
 (c-gpgme-data-get-file-name dh))

(defun gpgme-data-set-file-name (dh file-name)
 "Set the file name associated with the data object DH to FILE-NAME."
 (c-gpgme-data-set-file-name dh file-name))

;;; FIXME: Add key accessor interfaces.

(defun gpgme-get-key (ctx fpr &optional secret)
 "Get the key with the fingerprint FPR from the context CTX."
 (with-foreign-object (key-p 'gpgme-key-t)
 (c-gpgme-get-key ctx fpr key-p secret)
 (mem-ref key-p 'gpgme-key-t)))

(defun gpgme-key-ref (key)
 "Acquire an additional reference to the key KEY."
 (when *debug* (format t "DEBUG: gpgme-key-ref: ~A~%" key))
 (c-gpgme-key-ref key))

(defun gpgme-key-unref (key)
 "Release a reference to the key KEY."
 (when *debug* (format t "DEBUG: gpgme-key-unref: ~A~%" key))
 (c-gpgme-key-unref key))

;;; FIXME: We REALLY need pretty printing for keys and all the other
;;; big structs.

;;; Various interfaces.

(defun gpgme-check-version (&optional req-version)
 (c-gpgme-check-version req-version))

;;;
;;;
The *EXPORTED* CLOS interface.
;;;

```

;;; The context type.

;;; We wrap the C context pointer into a class object to be able to  
;;; stick a finalizer on it.

```
(defclass context ()
 (c-ctx ; The C context object pointer.
 signers ; The list of signers.
 sig-notation) ; The list of signers.
 (:documentation "The GPGME context type."))
```

```
(defmethod initialize-instance :after ((ctx context) &rest rest
 &key &allow-other-keys)
 (let ((c-ctx (apply #'gpgme-new rest))
 (cleanup t))
 (unwind-protect
 (progn (setf (slot-value ctx 'c-ctx) c-ctx)
 (finalize ctx (lambda () (gpgme-release c-ctx)))
 (setf cleanup nil))
 (if cleanup (gpgme-release c-ctx))))))
```

```
(defun translate-gpgme-ctx-t-to-foreign (value)
 ;; Allow a pointer to be passed directly for the finalizer to work.
 (if (pointerp value) value (slot-value value 'c-ctx)))
```

```
(defmacro context (&rest rest)
 "Create a new GPGME context."
 `(make-instance 'context ,@rest))
```

;;; The context type: Accessor  
functions.

;;; The context type: Accessor functions: Protocol.

```
(defgeneric protocol (ctx)
 (:documentation "Get the protocol of CONTEXT."))
```

```
(defmethod protocol ((ctx context))
 (gpgme-get-protocol ctx))
```

```
(defgeneric (setf protocol) (protocol ctx)
 (:documentation "Set the protocol of CONTEXT to PROTOCOL."))
```

;;; FIXME: Adjust translator to reject invalid protocols. Currently,  
;;; specifying an invalid protocol throws a "NIL is not 32 signed int"  
;;; error. This is suboptimal.

```
(defmethod (setf protocol) (protocol (ctx context))
```

```
(gpgme-set-protocol ctx protocol))
```

```
::: The context type: Accessor functions: Armor.
::: FIXME: Is it good style to make foop setf-able? Or should it be
::: foo/foop for set/get?
```

```
(defgeneric armorp (ctx)
 (:documentation "Get the armor flag of CONTEXT."))
```

```
(defmethod armorp ((ctx context))
 (gpgme-armor-p ctx))
```

```
(defgeneric (setf armorp) (armor ctx)
 (:documentation "Set the armor flag of CONTEXT to ARMOR."))
```

```
(defmethod (setf armorp) (armor (ctx
 context))
 (gpgme-set-armor ctx armor))
```

```
::: The context type: Accessor functions: Textmode.
::: FIXME: Is it good style to make foop setf-able? Or should it be
::: foo/foop for set/get?
```

```
(defgeneric textmodep (ctx)
 (:documentation "Get the text mode flag of CONTEXT."))
```

```
(defmethod textmodep ((ctx context))
 (gpgme-textmode-p ctx))
```

```
(defgeneric (setf textmodep) (textmode ctx)
 (:documentation "Set the text mode flag of CONTEXT to TEXTMODE."))
```

```
(defmethod (setf textmodep) (textmode (ctx context))
 (gpgme-set-textmode ctx textmode))
```

```
::: The context type: Accessor functions: Include Certs.
```

```
(defgeneric include-certs (ctx)
 (:documentation "Get the number of included certificates in an
 S/MIME message, or NIL if the default is used."))
```

```
(defmethod include-certs ((ctx context))
 (gpgme-get-include-certs ctx))
```

```
(defgeneric (setf include-certs) (certs ctx)
 (:documentation "Return the number of certificates to include in an
 S/MIME message, or
```

NIL if the default is used."))

```
(defmethod (setf include-certs) (certs (ctx context))
 (gpgme-set-include-certs ctx certs))
```

::: The context type: Accessor functions: Engine info.

```
(defgeneric engine-info (ctx)
 (:documentation "Retrieve the engine info for CTX."))
```

```
(defmethod engine-info ((ctx context))
 (gpgme-get-engine-info ctx))
```

```
(defgeneric (setf engine-info) (info ctx)
 (:documentation "Set the engine info for CTX."))
```

```
(defmethod (setf engine-info) (info (ctx context))
 (dolist (proto '(:openpgp :cms))
 (let ((pinfo (getf info proto)))
 (when pinfo
 (gpgme-set-engine-info ctx proto :file-name (getf pinfo :file-name)
 :home-dir (getf pinfo :home-dir))))))
```

::: The context type: Accessor functions: Keylist mode.

```
(defgeneric keylist-mode (ctx)
 (:documentation "Get the keylist mode of CTX."))
```

```
(defmethod keylist-mode ((ctx context))
 (gpgme-get-keylist-mode ctx))
```

```
(defgeneric (setf keylist-mode) (mode ctx)
 (:documentation "Set the keylist mode of CTX to MODE."))
```

```
(defmethod
 (setf keylist-mode) (mode (ctx context))
 (gpgme-set-keylist-mode ctx mode))
```

::: The context type: Accessor functions: Signers.

```
(defgeneric signers (ctx)
 (:documentation "Get the signers of CTX."))
```

```
(defmethod signers ((ctx context))
 (slot-value ctx 'signers))
```

```
(defgeneric (setf signers) (signers ctx)
 (:documentation "Set the signers of CTX to SIGNERS."))
```



```
(defmethod (setf keylist-mode) (signers (ctx context))
 (gpgme-set-signers ctx signers)
 (setf (slot-value ctx 'signers) signers))
```

;;; The context type: Accessor functions: Sig notations.

```
(defgeneric sig-notations (ctx)
 (:documentation "Get the signature notations of CTX."))
```

```
(defmethod sig-notations ((ctx context))
 (slot-value ctx 'signers))
```

```
(defgeneric (setf sig-notations) (notations ctx)
 (:documentation "Set the signature notations of CTX to NOTATIONS."))
```

```
(defmethod (setf sig-notations) (notations (ctx context))
 (gpgme-set-signers ctx notations)
 (setf (slot-value ctx 'notations) notations))
```

;;;

The context type: Support macros.

```
(defmacro with-context ((ctx &rest rest) &body body)
 `(let ((,ctx (make-instance 'context ,@rest)))
 ,@body))
```

;;; The key type.

```
(defclass key ()
 (c-key) ; The C key object pointer.
 (:documentation "The GPGME key type."))
```

;;; In the initializer, we swallow the c-key argument.

```
(defmethod initialize-instance :after ((key key) &key c-key
 &allow-other-keys)
 (setf (slot-value key 'c-key) c-key)
 (finalize key (lambda () (gpgme-key-unref c-key))))
```

```
(defun translate-gpgme-key-t-from-foreign (value)
 (when *debug* (format t "DEBUG: import key: ~A~%" value))
 (make-instance 'key :c-key value))
```

```
(defun translate-gpgme-key-t-to-foreign (value)
 ;; Allow a pointer to be passed directly for the finalizer to work.
 (if (pointerp value) value (slot-value value 'c-key)))
```

```
(defmethod print-object ((key key) stream)
```

```
(print-unreadable-object (key stream :type t :identity t)
 (format stream "~s" (fpr key))))
```

::: The key type:

Accessor functions.

```
::: FIXME: The bitfield and flags contain redundant information at
::: this point. FIXME: Deal nicer with zero-length name (policy url)
::: and zero length value (omit?) and human-readable (convert to string).
::: FIXME: Turn binary data into sequence or vector or what it should be.
::: FIXME: Turn the whole thing into a hash?
```

```
(defun translate-gpgme-sig-notation-t-from-foreign (value)
```

```
(cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next name value name-len value-len flags bitfield)
 value (:struct gpgme-sig-notation))
 (append (list (list
 :name name
 :value value
 :name-len name-len
 :value-len value-len
 :flags flags
 :bitfield bitfield))
 next))))))
```

```
::: FIXME: Deal nicer with timestamps. bitfield field name?
```

```
(defun translate-gpgme-subkey-t-from-foreign (value)
```

```
(cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
 ((next bitfield pubkey-algo length keyid fpr timestamp expires)
 value (:struct gpgme-subkey))
 next))))
```

```
(append (list (list
 :bitfield bitfield
 :pubkey-algo pubkey-algo
 :length length
 :keyid keyid
 :fpr fpr
 :timestamp timestamp
 :expires expires))
 next))))
```

```
(defun translate-gpgme-key-sig-t-from-foreign (value)
```

```
(cond
 ((null-pointer-p value) nil)
 (t (with-foreign-slots
```

```

((next bitfield pubkey-algo keyid timestamp expires status
uid name email comment sig-class)
value (:struct gpgme-key-sig))
(append (list (list
:bitfield bitfield
:pubkey-algo pubkey-algo
:keyid keyid
:timestamp timestamp
:expires expires
:status status
:uid uid
:name name
:email email
:comment comment
:sig-class sig-class))
next))))

```

```

(defun translate-gpgme-user-id-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((next bitfield validity uid name email comment signatures)
value (:struct gpgme-user-id))
(append (list (list
:bitfield bitfield
:validity validity
:uid uid
:name
name
:email email
:comment comment
:signatures signatures))
next))))))

```

```

(defun key-data (key)
(with-slots (c-key) key
(with-foreign-slots
((bitfield protocol issuer-serial issuer-name chain-id
owner-trust subkeys uids keylist-mode)
c-key (:struct gpgme-key))
(list
:bitfield bitfield
:protocol protocol
:issuer-serial issuer-serial
:issuer-name issuer-name
:chain-id chain-id
:owner-trust owner-trust
:subkeys subkeys

```

```
:uids uids
:keylist-mode keylist-mode))
))
```

```
(defgeneric fpr (key)
(:documentation "Get the primary fingerprint of the key."))
```

```
(defmethod fpr ((key key))
(getf (car (getf (key-data key) :subkeys)) :fpr))
```

```
::; The context type: Crypto-Operations.
```

```
(defgeneric get-key (ctx fpr &optional secret)
(:documentation "Get the (secret) key FPR from CTX."))
```

```
(defmethod get-key ((ctx context) fpr &optional secret)
(gpgme-get-key ctx fpr secret))
```

```
::; Encrypt.
```

```
(defgeneric
op-encrypt (ctx recp plain cipher &key always-trust sign)
(:documentation "Encrypt."))
```

```
(defmethod op-encrypt ((ctx context) recp plain cipher
&key always-trust sign)
(with-foreign-object (c-recp :pointer (+ 1 (length recp)))
(dotimes (i (length recp))
(setf (mem-aref c-recp 'gpgme-key-t i) (elt recp i)))
(setf (mem-aref c-recp :pointer (length recp)) (null-pointer))
(with-gpgme-data (in plain)
(with-gpgme-data (out cipher)
(let ((flags))
(if always-trust (push :always-trust flags))
(cond
(sign
(c-gpgme-op-encrypt-sign ctx c-recp flags in out)
(append (c-gpgme-op-encrypt-result ctx)
(c-gpgme-op-sign-result ctx)))
(t
(c-gpgme-op-encrypt ctx c-recp flags in out)
(c-gpgme-op-encrypt-result ctx))))))))))
```

```
::; Decrypt.
```

```
(defgeneric op-decrypt (ctx cipher plain &key verify)
```

```
(:documentation "Decrypt."))
```

```
(defmethod op-decrypt ((ctx context) cipher plain &key verify)
 (with-gpgme-data (in cipher)
 (with-gpgme-data
 (out plain)
 (cond
 (verify
 (c-gpgme-op-decrypt-verify ctx in out)
 (append (c-gpgme-op-decrypt-result ctx)
 (c-gpgme-op-verify-result ctx))))
 (t
 (c-gpgme-op-decrypt ctx in out)
 (c-gpgme-op-decrypt-result ctx))))))
```

```
::: Signing.
```

```
(defgeneric op-sign (ctx plain sig &optional mode)
 (:documentation "Sign."))
```

```
(defmethod op-sign ((ctx context) plain sig &optional (mode :none))
 (with-gpgme-data (in plain)
 (with-gpgme-data (out sig)
 (c-gpgme-op-sign ctx in out mode)
 (c-gpgme-op-sign-result ctx))))
```

```
::: Verify.
```

```
(defgeneric op-verify (ctx sig text &key detached)
 (:documentation "Verify."))
```

```
(defmethod op-verify ((ctx context) sig text &key detached)
 (with-gpgme-data (in sig)
 (with-gpgme-data (on text)
 (c-gpgme-op-verify ctx in (if detached on nil)
 (if detached nil on))
 (c-gpgme-op-verify-result ctx))))
```

```
::: Import.
```

```
(defgeneric op-import (ctx keydata)
 (:documentation "Import."))
```

```
(defmethod op-import ((ctx context) keydata)
 (with-gpgme-data (in keydata)
 (c-gpgme-op-import ctx in)
 (c-gpgme-op-import-result ctx)))
```

;;; Export.

```
(defgeneric op-export (ctx pattern keydata)
 (:documentation "Export public key data matching PATTERN to the
 stream KEYDATA."))
```

```
(defmethod op-export ((ctx context) pattern keydata)
 (with-gpgme-data (dh keydata)
 (c-gpgme-op-export ctx pattern 0 dh)))
```

;;; Key generation.

;;;

;;; Initialization

;;;

```
(defun check-version (&optional req-version)
 "Check that the GPGME version requirement is satisfied."
 (gpgme-check-version req-version))
```

```
(defparameter *version* (check-version)
 "The version number of GPGME used.")
(21:protected-private-key(3:elg(1:p193:5*n^f"Q'R0_6<y mec \=c7S8u[5
ZF'xf5yi9F@T=KhZdU0(k5nZEI/ R]njVITPU$W<xs-Yx)(1:g1:)(1:y192:O9GNR{?}Y_W[FD*zurmk%'R\>>e9pe
eU)uS%VJ!5F)yH*O
]|'7{ @wJmQP^jurx'V2H2j[G{q_"8()(9:protected25:openpgp-s2k3-sha1-aes-cbc((4:sha18:o"%7:5242880)16:Hs*}u
)256:Gzk3%\Kb2=ooO@,)eBBI3F|OQP3eD%n,;~L-6UH^=64i);l
e+sG"(mlH_2sn_BBO7hRcZUt(p6,{5|37C3m8EY9=gQ)(12:protected-at15:20101008T070148)))
*- mode: org *-
#+TITLE: A Short History of the GPGME bindings for Python
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
```

\* Overview

:PROPERTIES:

:CUSTOM\_ID: overview

:END:

```
Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
```

The GPGME Python bindings passed through many hands and numerous phases before, after a fifteen year journey, coming full circle to return to the source. This is a short explanation of that journey.

\*\* In the beginning

:PROPERTIES:  
:CUSTOM\_ID: in-the-begining  
:END:

In 2002 John Goerzen released PyME; Python bindings for the GPGME module which utilised the current release of Python of the time and SWIG.<sup>[fn:1]</sup> Shortly after creating it and ensuring it worked he stopped supporting it, though he left his work available on his Gopher site.

\*\* Keeping the flame alive

:PROPERTIES:  
:CUSTOM\_ID: keeping-the-flame-alive  
:END:

A couple of years later the project was picked up by Igor Belyi and actively developed and maintained by him from 2004 to 2008. Igor's whereabouts at the time of this document's creation are unknown, but the current authors do hope he is well. We're assuming (or hoping) that life did what life does and made continuing untenable.

\*\* Passing the torch

:PROPERTIES:  
:CUSTOM\_ID: passing-the-torch  
:END:

In 2014 Martin Albrecht wanted to patch a bug in the PyME code and discovered the absence of Igor. Following a discussion on the PyME mailing list he became the new maintainer for PyME, releasing version 0.9.0 in May of that year. He remains the maintainer of the original PyME release in Python 2.6 and 2.7 (available via PyPI).

\*\* Coming full circle

:PROPERTIES:  
:CUSTOM\_ID: ouroboros  
:END:

In 2015 Ben McGinnes approached Martin about a Python 3 version, while investigating how complex a task this would be the task ended up being completed. A subsequent discussion with Werner Koch led to the decision to fold the Python 3 port back into the original GPGME release in the languages subdirectory for non-C bindings under the module name of `=pyme3=`.

In 2016 this PyME module was integrated back into the GPGME project by Justus Winter. During the course of this work Justus adjusted the port to restore limited support for Python 2, but not as many minor point releases as the original PyME package supports. During the course of this integration the package was renamed to more accurately reflect its status as a component of GPGME. The `=pyme3=` module was renamed to `=gpg=` and adopted by the upstream GnuPG team.

In 2017 Justus departed G10code and the GnuPG team. Following this Ben returned to maintain of `gpgme` Python bindings and continue building them from that point.

\* Relics of the past

:PROPERTIES:

:CUSTOM\_ID: relics-past

:END:

There are a few things, in addition to code specific factors, such as SWIG itself, which are worth noting here.

\*\* The Annoyances of Git

:PROPERTIES:

:CUSTOM\_ID: the-annoyances-of-git

:END:

As anyone who has ever worked with git knows, submodules are horrible way to deal with pretty much anything. In the interests of avoiding migraines, that was skipped with addition of the PyME code to GPGME.

Instead the files were added to a subdirectory of the `=lang/=` directory, along with a copy of the entire git log up to that point as a separate file within the `=lang/python/docs/=` directory.[fn:2]

As the log for PyME is nearly 100KB and the log for GPGME is approximately 1MB, this would cause considerable bloat, as well as some confusion, should the two be merged.

Hence the unfortunate, but necessary, step to simply move the



files. A regular repository version has been maintained should it be possible to implement this better in the future.

\*\* The Perils of PyPI

:PROPERTIES:

:CUSTOM\_ID: the-perils-of-pypi

:END:

The early port of the Python 2 `pyme` module as `pyme3` was never added to PyPI while the focus remained on development and testing during 2015 and early 2016. Later in 2016, however, when Justus completed his major integration work and subsequently renamed the module from `pyme3` to `gpg`, some prior releases were also provided through PyPI.

Since these bindings require a matching release of the GPGME libraries in order to function, it was determined that there was little benefit in also providing a copy through PyPI since anyone obtaining the GPGME source code would obtain the Python bindings source code at the same time. Whereas there was the potential to sew confusion amongst Python users installing the module from PyPI, only to discover that without the relevant C files, header files or SWIG compiled binaries, the Python module did them little good.

There are only two files on PyPI which might turn up in a search for this module or a sample of its content:

1. `gpg` (1.8.0) - Python bindings for GPGME GnuPG cryptography library
2. `pyme` (0.9.0) - Python support for GPGME GnuPG cryptography library

\*\*\* GPG 180 - Python bindings for GPGME GnuPG cryptography library

:PROPERTIES:

:CUSTOM\_ID: pypi-gpgme-180

:END:

This is the most recent version to reach PyPI and is the version of the official Python bindings which shipped with GPGME 1.8.0. If you have GPGME 1.8.0 installed and `/only/` 1.8.0 installed, then it is probably safe to use this copy from PyPI.

As there have been a lot of changes since the release of GPGME 1.8.0, the GnuPG Project recommends not using this version of the module and instead installing the current version of GPGME along with the Python bindings included with that package.

```
*** PyME 090 - Python support for GPGME GnuPG cryptography library
:PROPERTIES:
:CUSTOM_ID: pypi-gpgme-90
:END:
```

This is the last release of the PyME bindings maintained by Martin Albrecht and is only compatible with Python 2, it will not work with Python 3. This is the version of the software from which the port from Python 2 to Python 3 code was made in 2015.

Users of the more recent Python bindings will recognise numerous points of similarity, but also significant differences. It is likely that the more recent official bindings will feel "more pythonic."

For those using Python 2, there is essentially no harm in using this module, but it may lack a number of more recent features added to GPGME.

#### \* Footnotes

[fn:1] In all likelihood this would have been Python 2.2 or possibly Python 2.3.

[fn:2] The entire PyME git log and other preceding VCS logs are located in the =gpgme/lang/python/docs/old-commits.log= file.

```
HACKING -*- org -*-
#+TITLE: Hacking notes for GPGME
#+STARTUP: showall
```

#### \* How to contribute

\*\* No more ChangeLog files

Do not modify any of the ChangeLog files in GPGME. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist" time. As such, there are strict requirements on the form of the commit log messages. The old ChangeLog files have all be renamed to ChangeLog-2011

\*\* Commit log requirements

Your commit log should always start with a one-line summary, the second line should be blank, and the remaining lines are usually

ChangeLog-style entries for all affected files. However, it's fine -- even recommended -- to write a few lines of prose describing the change, when the summary and ChangeLog entries don't give enough of the big picture. Omit the leading TABs that you're used to seeing in a "real" ChangeLog file, but keep the maximum line length at 72 or smaller, so that the generated ChangeLog lines, each with its leading TAB, will not exceed 80 columns. If you want to add text which shall not be copied to the ChangeLog, separate it by a line consisting of two dashes at the begin of a line.

Note that ./autogen.sh installs a git hook to do some basic syntax checking on the commit log message.

Typo fixes and documentation updates don't need a ChangeLog entry; thus you would use a commit message like

```
#+begin_example
Fix typo in a comment

--
#+end_example
```

The marker line here is important; without it the first line would appear in the ChangeLog.

If you exceptionally need to have longer lines in a commit log you may do this after this scissor line:

```
#+begin_example
----- >8 -----
#+end_example
```

(hash, blank, 24 dashes, blank, scissor, blank, 24 dashes).

Note that such a comment will be removed if the git commit option `--cleanup-scissor=` is used.

**\*\* License policy**

GPGME is currently licensed under the LGPLv2.1+ with tools and the manual being under the GPLv3+. We may eventually update to a newer version of the licenses or a combination of them. It is thus important, that all contributed code allows for an update of the license; for example we can't accept code under the LGPLv2(only).

If you want to contribute code or documentation to GPGME you are asked to assert that the contribution is in accordance to the "GPGME Developer's Certificate of Origin" as found in the file "DCO".

Except for a slight wording change, this DCO is identical to the one

used by the Linux kernel. Please take these simple steps:

- Decide which mail address you want to use. Please have your real name in the address and not a pseudonym. Anonymous contributions can only be done if you find a proxy who certifies for you.
  - If your employer or school might claim ownership of code written by you; you need to talk to them to make sure that you have the right to contribute under the DCO.
  - Send an OpenPGP signed mail to the `gnupg-devel@gnupg.org` public mailing list from your mail address. Include a copy of the DCO as found in the official master branch. Insert your name and email address into the DCO in the same way you want to use it later.
- Example:

```
Signed-off-by: Joe R. Hacker <joe@example.org>
```

If you need it, you may perform simple transformations on the mail address: Replacing "@" by " at " or "." by " dot ".)

- That's it. From now on you only need to add a "Signed-off-by:" line with your name and mail address to the GIT commit message. It is recommended to send the patches using a PGP/MIME signed mail.

#### \*\* Coding standards

Please follow the GNU coding standards. If you are in doubt consult the existing code as an example. Do no re-indent code without a need. If you really need to do it, use a separate commit for such a change.

- C99 syntax should not be used; stick to C90.
- Please do not use C++ `///  
//` style comments.
- Try to fit lines into 80 columns.
- Ignore signed/unsigned pointer mismatches
- No arithmetic on void pointers; cast to `char*` first.

#### \*\* Commit log keywords

- GnuPG-bug-id :: Values are comma or space delimited bug numbers from `bug.gnupg.org` pertaining to this commit.
- Debian-bug-id :: Same as above but from the Debian bug tracker.
- CVE-id :: CVE id number pertaining to this commit.
- Regression-due-to :: Commit id of the regression fixed by this commit.

- Fixes-commit :: Commit id this commit fixes.
- Reported-by :: Value is a name or mail address of a bug reporter.
- Suggested-by :: Value is a name or mail address of someone who suggested this change.
- Co-authored-by :: Name or mail address of a co-author
- Some-comments-by :: Name or mail address of the author of

additional comments (commit log or code).

- Proofread-by :: Sometimes used by translation commits.
- Signed-off-by :: Name or mail address of the developer

\* Debug hints

- Use gpgme-tool for manual tests.
- The envvar GPGME\_DEBUG enables debugging; see debug.[ch] for details.

Configuration files may go here. Note that config.h.in is auto-generated so that this file is not in git.

2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-04-06 Werner Koch <wk@g10code.com>

- \* gpg-error.m4: Update from current libgpg-error repo.

2010-05-07 Werner Koch <wk@g10code.com>

- \* libassuan.m4: Update from libassuan svn.

2009-11-10 Marcus Brinkmann <marcus@g10code.de>

- \* libassuan.m4: Fix LIBASSUAN\_VERSION.

2006-06-08 Marcus Brinkmann <marcus@g10code.de>

- \* pth.m4: Add --all to pth-config invocation.

2006-02-22 Marcus Brinkmann <marcus@g10code.de>

- \* pth.m4: Fix code generation (required for Max OS X). Submitted by Emanuele Giaquinta <exg@gentoo.org>.

2005-11-17 Marcus Brinkmann <marcus@g10code.de>

\* glib-2.0.m4: New file.

2004-12-28 Werner Koch <wk@g10code.com>

\* pth.m4: Changed quoting for use with automake 1.9.

2004-09-14

Marcus Brinkmann <marcus@g10code.de>

\* pth.m4: Disable `_ac_pth_line`, and don't fail if Pth is not found.

\* glibc21.m4: New file.

\* gpg-error.m4: New file.

\* pth.m4: New file.

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=====

By making a contribution to the GPGME project, I certify that:

- (a) The contribution was created in whole or in part by me and I have the right to submit it under the free software license indicated in the file; or
- (b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate free software license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same free software license (unless I am permitted to submit under a different license), as indicated in the file; or
- (c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.
- (d) I understand and agree that this project and the contribution

are public and that a record of the contribution  
(including  
all personal information I submit with it, including my  
sign-off) is maintained indefinitely and may be redistributed  
consistent with this project or the free software license(s)  
involved.

Signed-off-by: [Your name and mail address]

2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting  
on December 1st, 2011 we put change information only in the GIT  
commit log, and generate a top-level ChangeLog file from logs at  
"make dist". See doc/HACKING for details.

2008-11-08 Moritz <moritz@gnu.org>

\* gpgme.lisp (size-t): Wrong call to defctype: function accepts  
optional, not keyword argument.

(ssize-t): Likewise.

(off-t): Likewise.

(gpgme-data-t, gpgme-ctx-t): Likewise.

(gpgme-error-t): Likewise.

(gpgme-error-no-signal-t): Likewise.

(gpgme-err-code-t): Likewise.

(gpgme-err-source-t): Likewise.

(gpgme-sig-notation-t, gpgme-engine-info-t): Likewise.

(gpgme-subkey-t): Likewise.

(gpgme-key-sig-t): Likewise.

(gpgme-user-id-t): Likewise.

(gpgme-key-t): Likewise.

(gpgme-data-cbs-t): Likewise.

(gpgme-invalid-key-t): Likewise.

(gpgme-op-encrypt-result-t): Likewise.

(gpgme-recipient-t): Likewise.

(gpgme-op-decrypt-result-t): Likewise.

(gpgme-new-signature-t):

Likewise.

(gpgme-op-sign-result-t): Likewise.

(gpgme-signature-t): Likewise.

(gpgme-op-verify-result-t): Likewise.

(gpgme-import-status-t): Likewise.

(gpgme-op-import-result-t): Likewise.

(gpgme-op-genkey-result-t): Likewise.

(gpgme-op-keylist-result-t): Likewise.

2006-07-06 Marcus Brinkmann <marcus@g10code.de>

\* Initial release.

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```
-*- mode: org -*-
```

```
#+TITLE: What Was New in the GPGME Python Bindings and Documentation
```

```
#+AUTHOR: Ben McGinnes
```

```
#+LATEX_COMPILER: xelatex
```

```
#+LATEX_CLASS: article
```

```
#+LATEX_CLASS_OPTIONS: [12pt]
```

```
#+LATEX_HEADER: \usepackage{xltextra}
```

```
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
```

```
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
```

```
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

\* What Was New

```
:PROPERTIES:
```

```
:CUSTOM_ID: new-stuff
```

```
:END:
```

```
Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
xml:lang:	en-AU, en-GB, en
```

The following are all the past /What's New/ sections for the Python Bindings HOWTO and other documentation.

\*\* What Was New in GPGME 1120

```
:PROPERTIES:
```

```
:CUSTOM_ID: gpgme-1-12-0
```

```
:END:
```

The most obviously new point for those reading this guide is this section on other new things, but that's hardly important. Not given all the other things which spurred the need for adding this section



and its subsections.

\*\*\* New in GPGME 1.12.0

:PROPERTIES:

:CUSTOM\_ID: new-stuff-1-12-0

:END:

There have been quite a number of additions to GPGME and the Python bindings to it since the last release of GPGME with versions 1.11.0 and 1.11.1 in April, 2018.

The bullet points of new additions are:

- an expanded section on [installing](#) and [troubleshooting](#) the Python bindings.
- The release of Python 3.7.0; which appears to be working just fine with our bindings, in spite of intermittent reports of problems for many other Python projects with that new release.
- Python 3.7 has been moved to the head of the specified python versions list in the build process.
- In order to fix some other issues, there are certain underlying functions which are more exposed through the [gpg.Context\(\)](#), but ongoing documentation ought to clarify that or otherwise provide the best means of using the bindings. Some additions to `=gpg.core=` and the `=Context()=`, however, were intended (see below).
- Continuing work in identifying and confirming the cause of oft-reported [problems installing the Python bindings on Windows](#).
- GSOC: Google's Surreptitiously Ordered Conscriptio ... erm ... oh, right; Google's Summer of Code. Though there were two hopeful candidates this year; only one ended up involved with the GnuPG Project directly, the other concentrated on an unrelated third party project with closer ties to one of the GNU/Linux distributions than to the GnuPG Project. Thus the Python bindings benefited from GSOC participant Jacob Adams, who added the `key_import` function; building on prior work by Tobias Mueller.
- Several new methods functions were added to the `gpg.Context()`, including: [key\\_import](#), [key\\_export](#), [key\\_export\\_minimal](#) and [key\\_export\\_secret](#).
- Importing and exporting examples include versions integrated with Marcel Fest's recently released [HKP for Python](#) module. Some [additional notes on this module](#) are included at the end of the HOWTO.
- Instructions for dealing with semi-walled garden implementations

like ProtonMail are also included. This is intended to make things a little easier when communicating with users of ProtonMail's services and should not be construed as an endorsement of said service. The GnuPG Project neither favours, nor disfavours ProtonMail and the majority of this deals with interacting with the ProtonMail keyserver.

- Semi-formalised the location where `[[file:gpgme-python-howto#draft-editions]][draft versions]` of this HOWTO may periodically be accessible. This is both for the reference of others and testing the publishing of the document itself. Renamed this file at around the same time.
- The Texinfo documentation build configuration has been replicated from the parent project in order to make to maintain consistency with that project (and actually ship with each release).
- a reStructuredText (=rst=) version is also generated for Python developers more used to and comfortable with that format as it is the standard Python documentation format and Python developers may wish to use it with Sphinx. Please note that there has been no testing of the reStructuredText version with Sphinx at all. The reST file was generated by the simple expedient of using `[[https://pandoc.org/]][Pandoc]`.

-

Added a new section for `[[file:gpgme-python-howto#advanced-use]][advanced or experimental use]`.

- Began the advanced use cases with `[[file:gpgme-python-howto#cython]][a section]` on using the module with `[[https://cython.org/]][Cython]`.
- Added a number of new scripts to the `=example/howto/=` directory; some of which may be in advance of their planned sections of the HOWTO (and some are just there because it seemed like a good idea at the time).
- Cleaned up a lot of things under the hood.

000

\*H

010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 \*H  
certify@pca.dfn.de0

981029180310Z

011231180310Z010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 \*H  
certify@pca.dfn.de"0

\*H

0

nskV\$2r#iA4H|\*/

:Sd;v

tD}L+~IWWD|eP&qH)

!l\p%,1.tIsmnQ,g-W)@\((t<kvm5j(d)9M\_KGQJ0:qTE 00 `HB0) `HBhttps://mystic.pca.dfn.de/0A

`HB42http://www.pca.dfn.de/dfnpca/policy/wwwpolicy.html08 `HB

+)The DFN Top Level Certification Authority0! `HBcgi/check-rev.cgi?0 `HB

dfnpca.crl0U00U0

\*H

^[:8\|e7\*%QC?:/JVgwPUB

OgGqjGVx150%<`Pb18 z;t~r0U<A%3#l'8b"<iX"V!k"\*Q8&hAPI"3 00KUb&Qq'46\_{D[JZ!i<=T  
/OF

Wenn Sie dies lesen können, ist es wohl nicht  
geheim genug.

1.13.1

This is gpgme.info, produced by makeinfo version 6.3 from gpgme.texi.

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INFO-DIR-SECTION GNU Libraries

START-INFO-DIR-ENTRY

\* GPGME: (gpgme). Adding support for cryptography to your program.

END-INFO-DIR-ENTRY

This file documents the GPGME library.

This is Edition 1.12.1-beta100, last updated 3 December 2018, of The  
GnuPG Made Easy Reference Manual, for Version  
1.12.1-beta100.

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Indirect:

gpgme.info-1: 1689

gpgme.info-2: 301885

Tag Table:

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End Tag Table

Local Variables:

coding: utf-8

End:

hkp4py

requests

\input texinfo @c -\*- texinfo -\*-

@c %\*\*start of header

@setfilename what-was-new.info

@settitle What Was New in the GPGME Python Bindings and Documentation

@documentencoding utf-8

@documentlanguage en

@c %\*\*end of header

@finalout

@titlepage

@title What Was New in the GPGME Python Bindings and Documentation

@author Ben McGinnes

@end titlepage

@contents

@ifnottex

@node Top

@top What Was New in the GPGME Python Bindings and Documentation

@end ifnottex

@menu

\* What Was New::

@detailmenu

--- The Detailed Node Listing ---

What Was New

\* What Was New in GPGME 1120::

What Was New in GPGME 1120

\* New in GPGME 1120::

@end detailmenu

@end menu

@node What Was New

@chapter What Was New

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item

xml:lang:  
@tab en-AU, en-GB, en  
@end multitable

The following are all the past `@emph{What's New}` sections for the Python Bindings HOWTO and other documentation.

@menu  
\* What Was New in GPGME 1120::  
@end menu

@node What Was New in GPGME 1120  
@section What Was New in GPGME 1120

The most obviously new point for those reading this guide is this section on other new things, but that's hardly important. Not given all the other things which spurred the need for adding this section and its subsections.

@menu  
\* New in GPGME 1120::  
@end menu

@node New in GPGME 1120  
@subsection New in GPGME 1120

There have been quite a number of additions to GPGME and the Python bindings to it since the last release of GPGME with versions 1.11.0 and 1.11.1 in April, 2018.

The bullet points of new additions are:

@itemize  
@item  
an expanded section on `@uref{gpgme-python-howto#installation, installing}` and `@uref{gpgme-python-howto#snafu, troubleshooting}` the Python bindings.

@item  
The release of Python 3.7.0; which appears to be working just fine with our bindings, in spite of intermittent reports of problems for many other Python projects with that new release.

@item  
Python 3.7 has been moved to the head of the specified python versions list in the build process.

@item  
In order to fix some other issues, there are certain underlying functions which are more exposed through the `@uref{gpgme-python-howto#howto-get-context, gpg.Context()}`, but



ongoing documentation ought to clarify that or otherwise provide the best means of using the bindings. Some additions to `@samp{gpg.core}` and the `@samp{Context()}`, however, were intended (see below).

@item

Continuing work in identifying and confirming the cause of oft-reported `@uref{gpgme-python-howto#snafu-runtime-not-funtime, problems installing the Python bindings on Windows}`.

@item

GSOC: Google's Surreptitiously Ordered Conscriptio`@dots{ }` erm `@dots{ }` oh, right; Google's Summer of Code. Though there were two hopeful candidates this year;

only one ended up involved with the GnuPG

Project directly, the other concentrated on an unrelated third party project with closer ties to one of the GNU/Linux distributions than to the GnuPG Project. Thus the Python bindings benefited from GSOC participant Jacob Adams, who added the `key@math{ _import }` function; building on prior work by Tobias Mueller.

@item

Several new methods functions were added to the `gpg.Context()`, including: `@uref{gpgme-python-howto#howto-import-key, key@math{ _import }`}, `@uref{gpgme-python-howto#howto-export-key, key@math{ _export }`}, `@uref{gpgme-python-howto#howto-export-public-key, key@math{ _export }@math{ _minimal }`}} and `@uref{gpgme-python-howto#howto-export-secret-key, key@math{ _export }@math{ _secret }`}}.

@item

Importing and exporting examples include versions integrated with Marcel Fest's recently released `@uref{https://github.com/Selfnet/hkp4py, HKP for Python}` module. Some `@uref{gpgme-python-howto#hkp4py, additional notes on this module}` are included at the end of the HOWTO.

@item

Instructions for dealing with semi-walled garden implementations like ProtonMail are also included. This is intended to make things a little easier when communicating with users of ProtonMail's services and should not be construed as an endorsement of said service. The GnuPG Project neither favours, nor disfavors ProtonMail and the majority of this deals with interacting with the ProtonMail keyserver.

@item

Semi-formalised the location where `@uref{gpgme-python-howto#draft-editions, draft versions}` of this HOWTO may periodically be accessible. This is both for the reference of others and testing the publishing of the document itself. Renamed this file at around the same time.

@item

The Texinfo documentation build configuration has been replicated from the parent project in order to make to maintain consistency with that project (and actually ship with each release).

@item

a reStructuredText (`@samp{.rst}`) version is also generated for Python

developers more used

to and comfortable with that format as it is

the standard Python documentation format and Python developers may

wish to use it with Sphinx. Please note that there has been no

testing of the reStructuredText version with Sphinx at all. The

reST file was generated by the simple expedient of using [@uref{https://pandoc.org/}](https://pandoc.org/), Pandoc}.

@item

Added a new section for [@uref{gpgme-python-howto#advanced-use}](https://pandoc.org/), advanced or experimental use}.

@item

Began the advanced use cases with [@uref{gpgme-python-howto#cython}](https://pandoc.org/), a section} on using the module with

[@uref{https://cython.org/}](https://cython.org/), Cython}.

@item

Added a number of new scripts to the `@samp{example/howto/}` directory;

some of which may be in advance of their planned sections of the

HOWTO (and some are just there because it seemed like a good idea at

the time).

@item

Cleaned up a lot of things under the hood.

@end itemize

@bye

Additional license notices for GPGME. `-*- org -*-`

This file contains the copying permission notices for various files in

the GPGME distribution which are not covered by the GNU Lesser

General Public License (LGPL) or the GNU General Public License (GPL).

These notices all require that a copy of the notice be included

in the accompanying documentation and be distributed with binary

distributions of the code, so be sure to include this file along

with any binary distributions derived from the GNU C Library.

\* MIT License

For files:

- cJSON.c, cJSON.h

`#+begin_quote`

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```
#+end_quote
-*- mode: org -*-
#+TITLE: Maintenance Mode
#+AUTHOR: Ben McGinnes
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

\* Maintenance Mode from 2019

:PROPERTIES:

:CUSTOM\_ID: maintenance-mode

:END:

```
Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
xml:lang:	en-AU, en-GB, en
```

From the beginning of 2019 the Python bindings to GPGME will enter maintenance mode, meaning that new features will not be added and only bug fixes and security fixes will be made.

This also means that documentation beyond that existing at the end of 2018 will not be developed further except to correct errors.

Though use of these bindings appears to have been quite well received, there has been no indication of what demand there is, if any for either financial backing of the current Python bindings development or support contracts with g10code GmbH citing the necessity of including the bindings.

```
** Maintainer from 2019 onward
:PROPERTIES:
:CUSTOM_ID: maintenance-mode-bm
:END:
```

How does this affect the position of GnuPG Python Bindings Maintainer?

Well, I will remain as maintainer of the bindings; but without funding for that position, the amount of time I will be able to dedicate solely to this task will be limited and reduced to volunteered time. As with all volunteered time and effort in free software projects, this will be subject to numerous external imperatives.

```
** Using the Python Bindings from 2019 and beyond
:PROPERTIES:
:CUSTOM_ID:
maintenance-mode-blade-runner
:END:
```

For most, if not all, Python developers using these bindings; they will continue to just work the same as they always have. Expansions of GPGME itself are usually handled by SWIG with the existing code and thus bindings are generated properly when the bindings are installed alongside GPGME and when the latter is built from source.

In the rare circumstances where that is not enough to address some new addition to GPGME, then that is a bug and thus subject to the maintenance mode provisions (i.e. it will be fixed following a bug report being raised and your humble author will need to remember where the timesheet template was filed, depending on how many years off such an event is).

All the GPGME functionality will continue to be accessible via the lower level, dynamically generated methods which match the GPGME C documentation. While the more intuitively Pythonic higher level layer already covers the vast majority of functionality people require with key generation, signatures, certifications (key signing), encryption, decryption, verification, validation, trust levels and so on.

Any wanted features lacking in the Python bindings are usually lacking because they are missing from GPGME itself (e.g. revoking keys via the API) and in such cases they are usually deliberately excluded. More discussion of these issues can be found in the archives of the [\[\[https://lists.gnupg.org/mailman/listinfo/gnupg-devel\]\]](https://lists.gnupg.org/mailman/listinfo/gnupg-devel) [\[\[gnupg-devel mailing list\]\]](#).

Any features existing in the dynamically generated layer for which people want a specific, higher level function included to make it more Pythonic (e.g. to avoid needing to learn or memorise cryptographic mode values or GnuPG status code numbers), would be a feature request and /not/ a bug.

It is still worthwhile requesting it, but the addition of such a feature would not be guaranteed and provided on a purely volunteer basis. Expediting such a request would require funding that request.

Those

with a commercial interest in expediting such a feature request already know how to [[<https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset>][expedite it]] (use the message field to state what feature is being requested).

\*\* Documentation formats

:PROPERTIES:

:CUSTOM\_ID: docs

:END:

The documentation has been written in Org mode for GNU Emacs, with both Texinfo and reStructuredText formats generated from that. The Texinfo files are intended for use with the rest of the GnuPG documentation; while the reStructuredText files are intended for use with Docutils and Sphinx, as with other Python projects.

\*\*\* Cautionary Notes regarding Sphinx and EPUB

:PROPERTIES:

:CUSTOM\_ID: sphinx-made-epubs-suck

:END:

Though Python's Docutils in conjunction with Sphinx is capable of generating some very useful HTML sites, as proven by [[<https://readthedocs.org/>][Read the Docs]] and the [[<https://docs.python.org/>][Python documentation]], there are a number of output formats it does not

handle well. At the top of the list of things it manages to break so atrociously as to be embarrassing is the [[<http://idpf.org/epub/>][EPUB 3]] format.

The automatically generated EPUB of the CPython documentation always contains hundreds of validation errors and even the modest amount of documentation here [[<https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-python/rst/epub/GPGMEPythonBindings.epub>][produced a file]] with approximately thirty validation errors. As the volume of documentation content increases, so does the induced errors. Whereas Texinfo doesn't produce EPUB

output at all, nor does Org-mode.

Should there ever be genuine demand for this format, lodge a [\[\[https://dev.gnupg.org/maniphest/task/edit/form/4/\]\]](https://dev.gnupg.org/maniphest/task/edit/form/4/) [feature request] case marked for [\[\[https://dev.gnupg.org/p/BenM/\]\]](https://dev.gnupg.org/p/BenM/) [my] attention. The means of generating such files flawlessly is already available, but is not yet part of the GnuPG build system. Nor is it integrated with a means of converting Org

mode input files to the relevant base format automatically, as can already be done when converting Org to reStructuredText or Org to Texinfo. As a certain amount of work would be required to get it done, there would need to be clear demand for that work to be done. Just GNU it!

```
(1:private-key(3:dsa(1:p129:eC_L&$2,6tx.gh1VirIqI9
,^g3.$DveUvX1'oIj)(1:q21: #UfK2z(tuVG)(1:g128:zu^Rab;qeQQA B?/6/aspfE/
gx!Mr0YY*oMrJc2xWG:.r6)(1:y128:Ufj^@oEn4j#QrRq" RcEa E/}4C[3A
5+~~.#!+
)W&5dij)(1:x21:`)))
2011-12-02 Werner Koch <wk@g10code.com>
```

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-10-25 Marcus Brinkmann <marcus@g10code.com>

- \* m4/pth.m4: Removed.
- \* configure.ac: Remove check for pth and automake conditional HAVE\_PTH.

2011-06-16 Marcus Brinkmann <marcus@g10code.com>

Release 1.3.1

- \* configure.ac: Set LT version to C19/A8/R0.

2011-05-06 Marcus Brinkmann <marcus@g10code.com>

- \* Makefile.am (SUBDIRS): Remove complus.
- \* configure.ac (AC\_CONFIG\_FILES): Remove complus/Makefile. (BUILD\_COMPLUS): Remove AM\_CONDITIONAL.
- \* complus/: Remove very old and stale component.
- \* acinclude.m4 (GNUPG\_FIX\_HDR\_VERSION): Remove.

2011-04-14 Werner Koch <wk@g10code.com>

\* configure.ac: Require automake 1.11.

2011-04-06 Werner Koch <wk@g10code.com>

\* autogen.sh (--build-w32):

Support option --build-w64.

\* configure.ac (HAVE\_W64\_SYSTEM): Define.

(INSERT\_\_TYPEDEFS\_FOR\_GPGME\_H): New.

(GPGME\_CONFIG\_HOST): New.

2011-02-02 Marcus Brinkmann <mb@g10code.com>

\* configure.ac (NEED\_LIBASSUAN\_VERSION): Bump to 2.0.2 for system hooks.

2010-12-30 Werner Koch <wk@g10code.com>

\* configure.ac: Support a git revision.

2010-11-03 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CHECK\_HEADERS): Check for sys/types.h and sys.stat.h.

2010-11-02 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CHECK\_HEADERS): Check for sys.time.h.

2010-08-19 Werner Koch <wk@g10code.com>

\* configure.ac (AH\_BOTTOM): Define GPG\_ERR\_ENABLE\_ERRNO\_MACROS.

2010-05-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for setlocale.

2010-05-07 Werner Koch <wk@g10code.com>

\* configure.ac: Change checks to always require libassuan.

2010-05-07 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh: Update the thing.

\* configure.ac: Check for locale.h.

2010-05-06

Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Detect Windows CE.  
(HAVE\_W32CE\_SYSTEM): New symbol and automake conditional.  
\* ltmain.sh, m4/libtool.m4: Patch so that it works for Windows CE.

\* configure.ac: Require libgpg-error 1.8.

2010-03-15 Werner Koch <wk@g10code.com>

\* configure.ac (emacs\_local\_vars\_begin)  
(emacs\_local\_vars\_read\_only, emacs\_local\_vars\_end): New.

2010-01-22 Werner Koch <wk@g10code.com>

\* autogen.sh (--build-w32): Add --with-libassuan-prefix.

2010-01-11 Marcus Brinkmann <marcus@g10code.de>

Release 1.3.0.

2009-12-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Do not use echo -n. Test for \_\_thread.

2009-12-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Make largefile check more robust.

2009-12-10 Werner Koch <wk@g10code.com>

\* configure.ac: Check for getgid and getegid.

2009-12-08 Marcus Brinkmann <marcus@g10code.de>

Update to libtool 2.2.6a.

\* configure.ac: Invoke AC\_CONFIG\_MACRO\_DIR.  
(AC\_LIBTOOL\_WIN32\_DLL,  
AC\_LIBTOOL\_RC): Replace by ...  
(LT\_PREREQ, LT\_INIT, LT\_LANG): ... these.  
\* config.guess, config.sub, install-sh, ltmain.sh, m4/libtool.m4:

Updated to libtool 2.2.6a.

\* m4/ltoptions.m4, m4/ltsugar.m4, m4/ltversion.m4,  
m4/lt~obsolete.m4: New files from libtool 2.2.6a.

2009-11-10 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Activate UIServer if FD passing is enabled and



Assuan is available.

2009-10-30 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for argp.h and error\_t.

2009-10-26 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPG\_VERSION\_DEFAULT): Bump to 1.4.0 as 1.3.0 was development versions only.

2009-10-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add support for G13.

2009-10-20 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_CONFIG\_FILES): Remove assuan/Makefile.

2009-10-20 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Replace internal libassuan by external libassuan.

\* m4/libassuan.m4:

New file.

\* Makefile.am (assuan): Remove variable.

(SUBDIRS): Remove \${assuan}.

\* assuan/: Removed.

2009-06-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add AC\_TYPE\_UINTPTR\_T.

\* assuan/assuan.h [\_ASSUAN\_IN\_GPGME\_BUILD\_ASSUAN]: Declare \_gpgme\_io\_connect.

2009-06-18 Marcus Brinkmann <marcus@g10code.de>

Released GPGME 1.2.0.

\* configure.ac (my\_version): Set to 1.2.0.

(LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump.

(LIBGPGME\_LT\_REVISION): Reset.

2009-05-05 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add infrastructure for compile time check of \_FILE\_OFFSET\_BITS.

2009-04-19 Moritz <moritz@gnu.org>

\* Makefile.am (DISTCHECK\_CONFIGURE\_FLAGS): Specify --with-gpg.

2009-03-06 Marcus Brinkmann <marcus@g10code.de>

\* assuan/: Update to libassuan SVN 2009-03-06.

2009-01-26 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CONFIG\_FILES): Add tests/opassuan/Makefile.

2008-12-08 Marcus Brinkmann <marcus@g10code.de>

Release GPGME

1.1.8.

\* configure.ac: Bump API revision.

2008-11-03 Marcus Brinkmann <marcus@g10code.com>

\* configure.ac: Replace gpgme paths with src.

\* gpgme: Move to ...

\* src: ... this new directory.

2008-10-20 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_CONFIG\_FILES): Add gpgme.h.

(GNUPG\_FIX\_HDR\_VERSION): Remove.

2008-10-17 Marcus Brinkmann <marcus@g10code.com>

Release GPGME 1.1.7.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2008-09-19 Moritz <moritz@gnu.org>

\* configure.ac: Remove bogus "esac".

2008-09-16 Marcus Brinkmann <marcus@g10code.com>

\* configure.ac (\_XOPEN\_SOURCE) [apple-darwin]: Define it.

2008-07-04 Werner Koch <wk@g10code.com>

\* config.guess, config.sub: Update to 2007-11-19. Also update missing et al scripts.

2008-04-01 Werner Koch <wk@g10code.com>

\* configure.ac (AC\_INIT): Fix quoting.

2008-01-30 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Bump required version of automake up to 1.10.

\* autogen.sh: Fix

aclocal check.

2008-01-04 Marcus Brinkmann <marcus@g10code.de>

Release GPGME 1.1.6.

\* configure.ac: Support gpgconf.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

\* assuan-pipe-connect.c (pipe\_connect\_gpgme): Do not close process handle here. Use this function also on Unix systems.

\* assuan-pipe-connect.c (pipe\_connect\_gpgme): Fix last change.

\* assuan-pipe-connect.c (pipe\_connect\_gpgme): New function, use it if \_ASSUAN\_IN\_GPGME\_BUILD\_ASSUAN.

2007-09-17 Werner Koch <wk@g10code.com>

\* configure.ac: Use the svn version magic.

2007-09-07 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for C++, Qt and support --enable-w32-qt.

\* m4/pkg.m4: New file.

2007-08-21 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (--enable-w32-glib): Use --enableval, not --withval.

2007-07-16 Marcus Brinkmann <marcus@g10code.de>

\* assuan/assuan-socket.c (\_assuan\_close): Always use close().

\* assuan/assuan.h (\_gpgme\_io\_close): New prototype.

(close): New

macro, define as \_gpgme\_io\_close.

2007-07-13 Marcus Brinkmann <marcus@g10code.de>

\* assuan/assuan-io.c (`_assuan_simple_read`, `_assuan_simple_write`):  
Always use read/write (which means `_gpgme_io_read` and  
`_gpgme_io_write`).

2007-07-09 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.5.

\* `configure.ac` (`LIBGPGME_LT_REVISION`): Bump for release.

2007-07-08 Marcus Brinkmann <marcus@g10code.de>

\* `configure.ac` (`GPGSM_DEFAULT`) [`*-mingw32*`]: Initialize it.  
(`HAVE_ASSUAN_H`): Set to 1 if we have it.  
(`funopen`): Use `AC_REPLACE_FUNCS`.  
(`USE_DESCRIPTOR_PASSING`): Define to 1 if we have it. Do not  
define it at all if we don't.  
(`NETLIBS`) [`have_w32_system`]: Add `-lws2_32`.  
(`DIRSEP_C`, `DIRSEP_S`, `EXPSEP_C`, `EXPSEP_S`, `PATHSEP_S`)  
(`HAVE_DOSISH_SYSTEM`): Remove definitions.

\* `assuan/assuan.h` (`_assuan_funopen`): Define to `_gpgme_funopen`.

\* `assuan/funopen.c`: Move to `../gpgme/funopen.c`.

\* `assuan/Makefile.am` (`libassuan_la_SOURCES`): Remove `funopen.c`.

2007-07-04 Marcus Brinkmann <marcus@g10code.de>

\*  
`assuan/Makefile.am` (`INCLUDES`): Include `$(top_srcdir)/gpgme`.  
\* `assuan/assuan.h`: Include `<ath.h>` instead of trying to duplicate  
the definitions.

\* `assuan/`: Update files to 2007-07-04 version of `assuan`.

\* `autogen.sh`: Use `=` not `==` in test.

2007-03-05 Werner Koch <wk@g10code.com>

Released 1.1.4.

\* `configure.ac` (`LIBGPGME_LT_REVISION`): Bump for release.

\* `autogen.sh`: New option `--force`.

2007-01-29 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.3.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2007-01-26 Werner Koch <wk@g10code.com>

\* configure.ac: Changed gpg and gpgsm version checks to work with arbitrary names of the gpg binary. New option --disable-gpg-test and --disable-gpgsm-test.

2007-01-09 Werner Koch <wk@g10code.com>

\* configure.ac (NEED\_GPG\_VERSION, NEED\_GPGSM\_VERSION): Must define after it may have been changed by an option.

2007-01-08 Werner Koch <wk@g10code.com>

\* configure.ac: Require gpg-error 1.4 due to the use of gpg\_error\_from\_syserror.  
(HAVE\_ASSUAN\_H):  
New.

2007-01-05 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add options --with-gpg-version and --with-gpgsm-version to allow overriding the minimum version requirements.

2006-12-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Fix two typos in last change.

2006-12-03 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Use descriptor passing only if --enable-fd-passing is provided.

\* configure.ac: Add check for use of descriptor passing.

2006-11-29 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPG\_VERSION): Bump to 1.3.0.

2006-09-19 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Turn stpcpy into a replacement function.  
Check for unistd.h and add setenv as replacement function.

2006-07-29 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for network libraries and set NETLIBS.

2006-07-06 Marcus Brinkmann <marcus@g10code.de>

\* lang, lang/cl: New subdirectories.

\*

lang/Makefile.am, lang/README: New files.

\* configure.ac (AC\_CONFIG\_FILES): Add lang/Makefile,  
lang/cl/Makefile and lang/cl/gpgme.asd.

\* Makefile.am (SUBDIRS): Add lang.

2006-03-02 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump for release.

2006-02-22 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.1.

\* configure.ac (LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump for  
release.

(LIBGPGME\_LT\_REVISION): Reset to 0 for release.

2006-01-05 Werner Koch <wk@g10code.com>

\* configure.ac: Test for inline feature.

(AH\_BOTTOM): New to define the pure attribute.

2006-01-03 Werner Koch <wk@g10code.com>

\* configure.ac: Append SVN revision to the version.

2005-11-18 Werner Koch <wk@g10code.com>

\* configure.ac (BUILD\_REVISION): New.

2005-11-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add support for --enable-w32-glib (disabled by  
default). Invoke AM\_PATH\_GLIB\_2\_0.

2005-11-16 Werner Koch <wk@g10code.com>

\* configure.ac

(CFLAGS) [W32]: Make sure that -mms-bitfields are used.

2005-11-15 Werner Koch <wk@g10code.com>

- \* configure.ac: Create BUILD\_FILEVERSION from SVN Revision.
- \* autogen.sh [W32]: Build shared and static versions of the library.

2005-10-20 Marcus Brinkmann <marcus@g10code.de>

- \* w32-dll/ChangeLog, w32-dll/build-dll, w32-dll/gpgme.def: Remove files.
- \* configure.ac: Instead checking for windres and dlltool, invoke AC\_LIBTOOL\_WIN32\_DLL and AC\_LIBTOOL\_RC.
- \* src/Makefile.am [HAVE\_W32\_SYSTEM]: Use libtool, which simplifies the rules.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.0.

- \* configure.ac (LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump for release.
- (LIBGPGME\_LT\_REVISION): Reset to 0 for release.

2005-09-12 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac (HAVE\_PTH): Don't add \$PTH\_CFLAGS to \$CFLAGS here.

2005-08-26 Werner Koch <wk@g10code.com>

- \* configure.ac (SEPCONSTANTS): New to define DIRSEP\_C et al.

2005-08-19 Werner Koch <wk@g10code.com>

- \* configure.ac [W32]: Create values for versioninfo.rc and list substitute versioninfo.rc.
- \* configure.ac: Define ENABLE\_GPGSM.

2005-08-08 Werner Koch <wk@g10code.com>

- \* configure.ac (stpcpy): Changed from replace to test.

2005-03-24 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac (AH\_BOTTOM): Removed.

2005-03-09 Werner Koch <wk@g10code.com>

\* acinclude.m4 (GNUPG\_CHECK\_VA\_COPY): Assume no when cross-compiling.

\* Makefile.am (EXTRA\_DIST): Include autogen.sh

\* autogen.sh: Added the usual code to build for W32 (--build-w32).

\* configure.ac: Fixed the mingw32 host string, removed OS/2 stuff.

(HAVE\_DRIVE\_LETTERS): Removed.

(HAVE\_W32\_SYSTEM): Added.

(AC\_GNU\_SOURCE): New to replace the identical AH\_VERBATIM.

(AH\_BOTTOM): Added.

2004-12-28 Werner Koch <wk@g10code.com>

Released 1.0.2.

\* Makefile.am (AUTOMAKE\_OPTIONS): Build bzip 2 version.

(ACLOCAL\_AMFLAGS): Add -I m4.

\* configure.ac: Require automake 1.9.3 and autoconf 2.59.

\* acinclude.m4:

Changed quoting for automake 1.9.

\* README: Use SHA1 instead of MD5.

2004-12-11 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Replace ttyname\_r if it doesn't exist (and warn in that case).

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

\* README: Refer to COPYING.LESSER and "each file" instead of COPYING.

\* COPYING.LESSER: New file.

\* gpgme.spec.in (%doc): Add COPYING.LESSER.

\* acinclude.m4, configure.ac, Makefile.am: Change license to LGPL 2.1 or later.

\* TODO: Add copyright notice.

\* README.CVS: Likewise.

\* configure.ac (GPGSM\_VERSION): Fix filter to get it.

2004-10-22 Marcus Brinkmann <marcus@g10code.de>

Released 1.0.1.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump up to 2.

(AC\_INIT): Set version to 1.0.1.



\* configure.ac: Set HAVE\_GPGSM to true only if \$GPGSM is not "no".

2004-09-30 Marcus Brinkmann <marcus@g10code.de>

Released 1.0.0.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump up to 1.  
(AC\_INIT): Set version to 1.0.0.

\* Makefile.am  
(EXTRA\_DIST): Remove README-alpha.  
\* README-alpha: Remove file.

2004-09-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Disable AC\_CONFIG\_MACRO\_DIR for now.

2004-09-14 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Improve diagnostics with version check.

\* configure.ac: Print diagnostics about found thread libraries at the end. Check for the versions of GPG and GPGSM and print the found versions at the end.  
(HAVE\_GPGSM): Do not require GPGSM to exist and be readable.  
(AC\_CONFIG\_MACRO\_DIR): Invoke with argument m4.

\* acinclude.m4: Add copyright notice.  
(jm\_GLIBC21, AM\_PATH\_GPG\_ERROR, \_AC\_PTH\_ERROR, \_AC\_PTH\_VERBOSE, AC\_CHECK\_PTH): Removed.

2004-06-23 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Check for <sys/uiio.h>.

2004-06-08 Marcus Brinkmann <marcus@g10code.de>

Released 0.9.0.

\* configure.ac (AC\_INIT): Set version number to 0.9.0.  
(LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump up by one.  
(LIBGPGME\_LT\_REVISION): Reset to zero.

2004-05-21

Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (GPGME\_CONFIG\_API\_VERSION): New variable,

substitute it.

2004-04-29 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.7.

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump it up.

2004-04-02 Thomas Schwinge <schwinge@nic-nac-project.de>

\* autogen.sh: Added ACLOCAL\_FLAGS.

2004-04-06 Werner Koch <wk@gnupg.org>

Released 0.4.6.

\* config.guess, config.sub, ltmain.sh: Updated to those from libtools 1.5.4.

2004-03-07 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.5.

\* configure.ac (NEED\_GPGSM\_VERSION): Bump up to 1.9.6.

\* Makefile.am (EXTRA\_DIST): Remove autogen.sh and README.CVS.

2004-02-18 Werner Koch <wk@gnupg.org>

\* configure.ac: Make the check for funopen fail with just a warning.

2004-02-11 Werner Koch <wk@gnupg.org>

\* autogen.sh (check\_version): Removed bashism and simplified.

2004-02-10 Werner Koch <wk@gnupg.org>

\* configure.ac: Fixed funopen test change.

2004-02-06 Moritz Schulte  
<mo@g10code.com>

\* configure.ac: Fix funopen replacement mechanism.

2004-01-31 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add invocation of AC\_SYS\_LARGEFILE, AC\_TYPE\_OFF\_T

and AC\_FUNC\_FSEEKO.

2004-01-12 Werner Koch <wk@gnupg.org>

Released 0.4.4.

- \* configure.ac: Bumbed LT\_Revision; now at C12/A1/R1.
- (NEED\_GPGSM\_VERSION): Set to 1.9.3.
- (min\_automake\_version): Added.
- \* README.CVS: New.
- \* Makefile.am (EXTRA\_DIST): Added README.CVS.
- \* autogen.sh: Updated.

2003-11-19 Werner Koch <wk@gnupg.org>

- \* acinclude.m4: Add AM\_PATH\_GPG\_ERROR.
- \* configure.ac: Check for timegm. Made warning messages more prominent.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.3.

- \* configure.ac (LIBGPGME\_LT\_CURRENT, LIBGPGME\_LT\_AGE): Bump up by 1.
- (LIBGPGME\_LT\_REVISION): Set to 0.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Require libgpg-error 0.5.
- \* acinclude.m4: Remove libtool cruft, add jm\_GLIBC21.
- \* configure.ac: Add check for getenv\_r, and call jm\_GLIBC21.
- Define HAVE\_THREAD\_SAFE\_GETENV if appropriate.

2003-09-03 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Remove GPGME\_CONFIG\_LIBS and GPGME\_CONFIG\_CFLAGS.

2003-09-02 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Move invocation of AC\_CANONICAL\_HOST up to suppress warning by autoconf.

2003-08-30 Robert Schiele <rschiele@uni-mannheim.de>

- \* gpgme.spec.in: % {\_infodir}/dir is not packaged, remove to prevent checking failure.

2003-08-18 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: If building Assuan, check for funopen and fopencookie, and make isascii, putc\_unlocked and memchr replacement functions.

(AM\_PATH\_GPG\_ERROR): Require 0.3.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Bump version to 0.4.3.

2003-07-30 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_REVISION): Bump up to 1.

Released 0.4.2.

2003-07-08 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac:

Complain if libgpg-error is not found.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Bump version to 0.4.2.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_CURRENT): Bump up to 11.

\* configure.ac: Use AM\_PATH\_GPG\_ERROR.

\* configure.ac: Check for libgpg-error. Define GPG\_ERR\_SOURCE\_DEFAULT.

2003-05-26 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPG\_VERSION): Bump up to 1.2.2.

2003-05-18 Marcus Brinkmann <marcus@g10code.de>

In all files, replace the Gpgme\* type names with the new gpgme\_\* type names.

2003-02-01 Marcus Brinkmann <marcus@g10code.de>

\* assuan/: Update files to 2002-11-10 version of assuan.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

\* bonobo/gpgme.c, bonobo/main.c, bonobo/main.h, bonobo/Makefile,  
bonobo/Makefile.am, bonobo/Makefile.in: Dead files removed.

\* configure.ac: Remove automake conditional BUILD\_BONOBO  
(AC\_CONFIG\_FILES): Remove bonobo/Makefile.

\*

Makefile.am (bonobo): Remove variable.

(SUBDIRS): Remove \${bonobo}.

\* configure.ac: Remove all uses of GNUPG\_CHECK\_TYPEDEF, for byte,  
ushort, ulong, u16 and u32.

\* acinclude.m4 (GNUPG\_CHECK\_TYPEDEF): Remove macro.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: New conditional HAVE\_LD\_VERSION\_SCRIPT.  
Call AC\_CANONICAL\_HOST, use host instead target.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Bump up to 0.4.1.

Released 0.4.0.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh (automake\_vers): Require 1.7 (really 1.7.1) for the  
conditional source distribution bug fix.

2002-12-08 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (LIBGPGME\_LT\_CURRENT): Increase by one.  
(LIBGPGME\_LT\_AGE, LIBGPGME\_LT\_REVISION): Set to 0.

2002-11-28 Marcus Brinkmann <marcus@g10code.de>

\* NEWS: Add note about moving "gpgmeplug" to the "cryptplug"  
package.

\* README: Remove instructions related to "gpgmeplug".

\* configure.ac:

Remove enable option "gpgmeplug" and automake  
conditional BUILD\_GPGMEPLUG, as well as the status info about it.

(GPGMEPLUG): Remove variable.

\* Makefile.am (gpgmeplug): Remove variable.

(SUBDIRS): Remove \${gpgmeplug}.

\* cryptplug.h, gpgme-openpgp.c, gpgmeplug.dox, gpgme-smime.c,

Makefile.am, gpgmeplug.c, ChangeLog: Files removed.

2002-11-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Disable GPGSM for all dosish systems.

2002-10-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add automake conditional HAVE\_GPGSM.

2002-10-08 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Bump version up to 0.4.0.

(NEED\_GPG\_VERSION): Bump up to 1.2.0.

(NEED\_GPGSM\_VERSION): Bump up to 0.9.0.

\* README: Update version numbers.

\* NEWS: Start entry for 0.4.0.

2002-09-20 Werner Koch <wk@gnupg.org>

Released 0.3.11.

\* configure.ac: Bump up LIBGPGME\_LT\_REVISION.

\* configure.ac (AC\_CHECK\_HEADERS): Check for sys/select.h.

2002-09-04 Marcus Brinkmann

<marcus@g10code.de>

\* autogen.sh (autoconf\_vers): Bump up to 2.53 to get the @&t@  
quadrigraph. Always cutting the edge!

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Create and substitute LTLIBOBS.

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

Released 0.3.10.

\* NEWS: Update for 0.3.9 release.

\* configure.ac: Bump up LIBGPGME\_LT\_REVISION.

2002-08-29 Marcus Brinkmann <marcus@g10code.de>

\* gpgme.spec.in: Changed user name in Wojciech Polak's email  
address from ghostface to polak per request by himself.

2002-08-28 Werner Koch <wk@gnupg.org>

- \* acinclude.m4 (GNUPG\_CHECK\_VA\_COPY): New.
- \* configure.ac: Use it.

2002-08-23 Werner Koch <wk@gnupg.org>

- \* configure.ac (GPGME\_CONFIG\_CFLAGS): Renamed from GPGME\_CFLAGS and removed the libpath because it is set by the config script.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- \* configure.ac: Bump version number to 0.3.10.
- \* NEWS: Add template for development version.

2002-08-21

Marcus Brinkmann <marcus@g10code.de>

Released 0.3.9.

- \* NEWS: Update for 0.3.9 release.
- \* Makefile.am (EXTRA\_DIST): Add gpgme.spec.in.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- \* jnlib/argparse.c, jnlib/argparse.h, jnlib/ChangeLog, jnlib/dotlock.c, jnlib/dotlock.h, jnlib/libjnlib-config.h, jnlib/logging.c, jnlib/logging.h, jnlib/Makefile.am, jnlib/mischelp.h, jnlib/README, jnlib/stringhelp.c, jnlib/stringhelp.h, jnlib/strlist.c, jnlib/strlist.h, jnlib/types.h, jnlib/xmalloc.c, jnlib/xmalloc.h: Remove files.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (SUBDIRS): Remove jnlib.
- \* configure.ac: Don't check for unsigned short or unsigned long. Don't check for memicmp, strlwr, strtoul, memmove, stricmp. Make stpcpy a replaced function. Don't define HAVE\_JNLIB\_LOGGING. Don't generate jnlib/Makefile.

2002-07-02 Werner Koch <wk@gnupg.org>

- \* configure.ac: Bumped version number to 0.3.9; add a comment on when to change it.
- \* gpgme.spec.in:

New. Contributed by Wojciech Polak.

\* Makefile.am (dist-hook): New.

\* AUTHORS: Added Wojciech and bug reporting addresses.

2002-06-25 Werner Koch <wk@gnupg.org>

Released 0.3.8.

\* configure.ac: Bumbed LT version to 9/3/0.

(NEED\_GPGSM\_VERSION): Need 0.3.8 due to fixed export command.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

Released 0.3.7.

\* configure.ac (AC\_INIT): Set version to 0.3.7.

(LIBGPGME\_LT\_REVISION): Add one.

\* README: Document version requirement correctly.

2002-06-02 Marcus Brinkmann <marcus@g10code.de>

\* acinclude.m4: Fix Pth check so that it doesn't error out if pth is not found.

2002-06-02 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add checks for Pth and pthreads.

\* acinclude.m4: Add slightly hacked check for pth (seems to be an autoconf version problem).

2002-05-21 Werner Koch <wk@gnupg.org>

\* configure.ac (NEED\_GPGSM\_VERSION): We need gpgsm 0.3.7.

2002-05-03 Werner Koch <wk@gnupg.org>

Released 0.3.6.

2002-04-05

Marcus Brinkmann <marcus@g10code.de>

\* acconfig.h: File removed.

\* configure.ac (NEED\_GPG\_VERSION): Add description.

(NEED\_GPGSM\_VERSION): Likewise.

(HAVE\_DOSISH\_SYSTEM): Likewise.

(HAVE\_DRIVE\_LETTERS): Likewise.



(GPG\_PATH): Likewise.

(GPGSM\_PATH): Likewise.

\* acinclude.m4 (GNUPG\_CHECK\_TYPEDEF): Likewise.

2002-04-01 Werner Koch <wk@gnupg.org>

Released 0.3.5.

2002-03-17 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac: Add automake conditional HAVE\_DOSISH\_SYSTEM.

2002-03-04 Werner Koch <wk@gnupg.org>

\* configure.ac: Bumbed version to 0.3.4-cvs to continue development.

Released 0.3.4.

\* configure.ac: Bumbed LT version numbers to (7,1,0), requires  
gpgsm 0.3.1.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT): Change version number to snapshot CVS  
version.

2002-02-13 Werner Koch <wk@gnupg.org>

\* configure.ac (vasprintf,fopencookie): Add checks.

2002-02-12 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_INIT):

Bump version to 0.3.3.

\* jnlib/Makefile.am: Revert to older version that includes xmalloc  
but not dotlock and some other files. Reported by Stphane  
Corthsy.

2002-02-10 Marcus Brinkmann <marcus@g10code.de>

\* Released 0.3.2.

\* configure.ac (AC\_INIT): Bump version to 0.3.2.

\* jnlib/libjnlibconfig.h: Revert to older version that doesn't  
expect libgrypt. Reported by Jose Carlos Garcia Sogo  
<jsogo@debian.org>.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* Released 0.3.1.

\* configure.ac (LIBGPGME\_LT\_CURRENT): Bump it up to 6!  
(NEED\_GPGSM\_VERSION): Bump it up to 0.3.0!  
(AC\_INIT): Bump version to 0.3.1

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (HAVE\_JNLIB\_LOGGING): Define always for assuan.

2001-12-19 Werner Koch <wk@gnupg.org>

\* configure.ac (VERSION,PACKAGE): Defined and subst. Used for  
AM\_INIT\_AUTOMAKE and moved all version number more to the top.

2001-12-18 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh (libtool\_vers):  
Bump to 1.4.

\* configure.ac (LIBGPGME\_LT\_CURRENT): Increment.  
(LIBGPGME\_LT\_AGE): Reset.  
Improve comment.  
Fix wrong comment character.

2001-12-18 Werner Koch <wk@gnupg.org>

\* acinclude.m4 (GNUPG\_FIX\_HDR\_VERSION): Fixed for new automake.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (GPG): Substitute this variable.  
(GPGSM): Likewise.

2001-11-22 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (AC\_CONFIG\_FILES): Add tests/gpg/Makefile and  
tests/gpgsm/Makefile.

2001-11-21 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (gpgmeplug): New variable, set to gpgmeplug if  
[BUILD\_GPGMEPLUG].  
\* configure.ac (AC\_CONFIG\_FILES): Add gpgmeplug/Makefile.  
Support --enable-gpgmeplug.

2001-11-21 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh: Tighten version dependencies.

2001-11-20 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (SUBDIRS): Support building the assuan library (currently if GPGSM\_PATH is set)..

\* configure.ac: Support building the assuan library.

\* assuan: New directory, populated with the Assuan library (copied from the newpg repository).

2001-11-20 Marcus Brinkmann <marcus@g10code.de>

\* configure.ac (NEED\_GPGSM\_VERSION): New variable. Treat it similarly to NEED\_GPG\_VERSION.

\* acconfig.h: Likewise.

2001-11-18 Marcus Brinkmann <marcus@g10code.de>

\* configure.in: Renamed to ...

\* configure.ac: ... this. Update to autoconf 2.52. Lots of small changes in the transition. Support --with-gpg=PATH and --with-gpgsm=PATH options. Check if test suites can be run.

\* acconfig.h: Add GPGSM\_PATH.

\* Makefile.am: New variable `tests', set to `tests' if RUN\_GPG\_TESTS.

(SUBDIRS): Replace string `tests' with variable `tests'.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

\* autogen.sh: Invoke automake with `-a' (add missing files). Do not invoke configure.

2001-09-17 Werner Koch <wk@gnupg.org>

Released 0.2.3.

\* configure.in (NEED\_GPG\_VERSION): Set to 1.0.6. Incremented LT current and age.

\* Makefile.am (SUBDIRS): Add doc

2001-06-12 Werner Koch <wk@gnupg.org>

Released 0.2.2.

2001-04-05 Werner Koch <wk@gnupg.org>

\* configure.in (NEED\_GPG\_VERSION): Set to 1.0.4g

2001-04-02 Werner Koch <wk@gnupg.org>

Released 0.2.1.

Changed the copyright notices all over the place.

2001-02-28 Werner Koch <wk@gnupg.org>

Released 0.2.0.

2001-01-18 Werner Koch <wk@gnupg.org>

\* autogen.sh: Added option --build-w32.

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2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-05-11 Marcus Brinkmann <marcus@g10code.com>

\* gpgsm/Makefile.am (DISTCLEANFILES): Move to ...  
(CLEANFILES): ... here.

(clean-local): New rule.

\* gpg/Makefile.am (DISTCLEANFILES): Move to ...  
(CLEANFILES): ... here.

2011-05-05 Marcus Brinkmann <marcus@g10code.com>

\* gpg/Makefile.am: Unset GPG\_AGENT\_INFO when setting up local configuration.

(clean-local): Shut down local gpg-agent.

2011-05-04 Marcus Brinkmann <marcus@g10code.com>

\* gpg/t-import.c (check\_result): Complete secret key pair counting and disable status check, as GPG 2.1 currently emits two IMPORT\_OK lines and we only look at the first.

2011-04-27 Marcus Brinkmann <marcus@g10code.com>

\* gpg/Makefile.am (DISTCLEANFILES):

Add S.gpg-agent.

(mkdemodirs, ./Alpha/Secret.gpg): Remove targets.

(GNUPGHOME): Export as absolute build directory (for gpg-agent).

(./pubring.gpg): Remove --homedir option, import secdemo.asc.

(clean-local): Rewrite.

\* gpg/secdemo.asc: New file.

\* gpg/pubkey-1.asc, gpg/seckey-1.asc: Change passphrase to "abc" (now needed as GnuPG 2.1 asks for secret key passphrase on import).

\* gpg/t-keylist.c (keys): Update key info for Joe Random Hacker.

(main): Disable check for can\_encrypt, as this is now in a different subkey.

\* gpg/t-encrypt-sign.c (check\_result): Allow RMD160 hash algorithm.

\* gpg/t-import.c (check\_result): One secret key pair now counts as two secret keys, allow that.

2009-11-03 Werner Koch <wk@g10code.com>

\* run-support.h (fail\_if\_err): Include program name.

\* run-sign.c (main): Add option --uiserver.

2009-10-26 Marcus Brinkmann <marcus@g10code.de>

\* opassuan/t-command.c: Update to new interface.

2009-10-15 Werner Koch <wk@g10code.com>

\* run-verify.c:

New.

2009-08-06 Werner Koch <wk@g10code.com>

\* run-sign.c: New.

2009-07-07 Werner Koch <wk@g10code.com>

\* run-keylist.c (main): Add options --cms and --openpgp.

\* gpg/pgp-keylist.c: Rename to ...

\* run-keylist.c: ... this.

\* gpg/pgp-import.c: Rename to ...

\* run-import.c: ... this.

\* gpg/pgp-export.c: Rename to ...

\* run-export.c: ... this.

\* run-support.h: New. Copied from gpg/t-support.h.

\* gpg/Makefile.am (noinst\_PROGRAMS): Remove them.

\* Makefile.am (noinst\_PROGRAMS): Add them.

(noinst\_HEADERS): New.

2009-06-22 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-support.h (passphrase\_cb): Implement write() according to the book to silence compiler warning.

\* gpgsm/t-support.h (passphrase\_cb): Likewise.

2009-06-16 Werner Koch <wk@g10code.com>

\* gpg/pgp-import.c: New.

\* gpg/t-support.h (print\_import\_result, nonnull): Factored out from other tools.

\* gpg/pgp-export.c, gpg/pgp-keylist.c: New.

2009-06-09 Werner Koch <wk@g10code.com>

\* gpg/Makefile.am

(./pubring.gpg): Ignore errors in case of already imported keys. Add --no-permission-warning and remove obsolete --allow-secret-key-import.

\* gpg/mkdemodirs.in (GPG): Add --no-permission-warning.

\* gpg/t-edit.c (edit\_fnc): Use gpgme\_io\_write.

2009-04-19 Moritz <moritz@gnu.org>

\* gpg/Makefile.am (EXTRA\_DIST): Replaced mkdemodirs with mkdemodirs.in.

(mkdemodirs): New target.

(clean-local): Added command for removing mkdemodirs script.

(./Alpha/Secret.gpg): Added dependency on mkdemodirs.

\* gpg/mkdemodirs: Renamed to ...

\* gpg/mkdemodirs.in: ... here.

\* gpg/mkdemodirs.in (GPG): Derive value from @GPG@ instead of

hard-coding "gpg".

2009-02-24 Werner Koch <wk@g10code.com>

\* opassuan/t-command.c: Adjust for changed new op\_assuan interface.

2009-02-03 Werner Koch <wk@g10code.com>

\* gpg/t-keylist.c (main): Check that new fields is\_cardkey and card\_number are not set.

2009-01-26 Werner Koch <wk@g10code.com>

\* opassuan/: New.

\* opassuan/Makefile.am:

New.

\* opassuan/t-command.c: New.

2008-12-03 Marcus Brinkmann <marcus@g10code.de>

\* Makefile.am (INCLUDES): Fix path to include file.

\* gpg/Makefile.am (INCLUDES), gpgsm/Makefile.am (INCLUDES): Likewise.

2008-11-18 Werner Koch <wk@g10code.com>

\* gpgsm/cms-decrypt.c: New.

2008-11-03 Marcus Brinkmann <marcus@g10code.com>

\* gpgsm/Makefile.am (INCLUDES, LDADD): Replace gpgme path with src.

\* gpg/Makefile.am (INCLUDES, LDADD, t\_thread1\_LDADD): Likewise.

\* Makefile.am (LDADD): Likewise.

2008-10-30 Werner Koch <wk@g10code.com>

\* gpgsm/cms-keylist.c: New.

2008-06-19 Werner Koch <wk@g10code.com>

\* gpg/t-gpgconf.c (dump\_arg): Add new types. Print strings in quotes.

2008-01-28 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (DISTCLEANFILES): Add pubring.kbx~.

2008-01-10 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-gpgconf.c (main): Allow for dirmngr not to be available.

\* gpg/Makefile.am (./gpg-agent.conf): Correct pinentry path.

\* gpg/pinentry:

New file.

\* gpg/Makefile.am (DISTCLEANFILES, all-local): Add gpg-agent.conf

(./gpg-agent.conf): New target.

(EXTRA\_DIST): Add pinentry.

\* gpg/t-gpgconf.c (main): Exit early if compiled without gpgconf.

2008-01-04 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (CLEANFILES): Add pubring.kbx and dirmngr.conf.

\* Makefile.am (TESTS\_ENVIRONMENT): Use absolute path for GNUPGHOME.

\* gpg/Makefile.am (TESTS\_ENVIRONMENT): Use absolute path for GNUPGHOME.

\* gpgsm/Makefile.am (TESTS\_ENVIRONMENT): Use absolute path for GNUPGHOME.

\* gpg/Makefile.am (TESTS): Add t-gpgconf.

t-gpgconf.c: New file.

2007-11-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (show\_auditlog): Check for GPG\_ERR\_ASS\_UNKNOWN\_CMD.

2007-11-23 Werner Koch <wk@g10code.com>

\* gpgsm/t-verify.c (check\_result): Don't exit on error but set a flag.

(main): Consult flag for return value.

(show\_auditlog): New.

(main): Use it.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

\* t-engine-info.c

(check\_engine\_info): Fix debug output.

\* gpg/Makefile.am (tests\_unix): New variable.

(TESTS): Use it.

\* gpg/t-support.h (passphrase\_cb) [HAVE\_W32\_SYSTEM]: Use WriteFile instead of write.

\* gpg/t-wait.c [HAVE\_W32\_SYSTEM]: Define sleep as \_sleep.

2007-09-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (main): Release TEXT and SIG.



2007-07-12 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (key\_id): Change := into =.

2007-07-12 Werner Koch <wk@g10code.com>

\* gpgsm/t-support.h (init\_gpgme) [W32]: Do not init the locales as the constants are not available.

2007-02-26 Werner Koch <wk@g10code.com>

\* gpg/t-verify.c (double\_plaintext\_sig): New.  
(main): Check it.

2006-12-02 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c (main): Skip unknown keys. Newer versions of GPGSM import more keys than older ones.

2005-12-06 Werner Koch <wk@g10code.com>

\* gpg/t-keylist.c (main): Changed for that secondary keys now have a fingerprint.

\*

gpg/t-keylist-sig.c (main): Ditto.

\* gpgsm/t-keylist.c (main): Ditto. The test used to be wrong.

2005-10-18 Werner Koch <wk@g10code.com>

\* gpg/pubdemo.asc, gpg/secdemo.asc: Add 2 expired subkeys to Whisky.

\* gpg/t-keylist.c: Reordered list to match new demo keyring. Add arg for number of subkeys and for extra checking function.

(main): Enhanced a few error outputs. Changed subkey counting. Call extra checking function.

(check\_whisky): New.

2005-10-07 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c (main): Allow for an email address as a second uid.

\* gpg/t-sig-notation.c: Change critical notation to something GnuPG understands.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (EXTRA\_DIST): Remove gpg.conf.  
(DISTCLEANFILES): Add gpg.conf.  
(all-local): Add gpg.conf.  
(./gpg.conf): New target.  
\* gpg/gpg.conf: Remove file.

\* gpg/Makefile.am (EXTRA\_DIST): Add gpg.conf.

\* gpg/Makefile.am (TESTS): Add t-sig-notation.  
\* gpg/t-sig-notation.c  
(check\_result): New file.  
\* gpg/t-verify.c (check\_result): Also check the length of the  
notation data.  
\* gpg/gpg.conf: New file.

2005-09-30 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (TESTS): Add t-filename.  
\* gpg/t-filename.c: New file.

2005-09-23 Werner Koch <wk@g10code.com>

\* gpg/t-support.h (init\_gpgme) [W32]: Don't use LC\_MESSAGES.  
  
\* gpg/t-encrypt-large.c: New test.  
\* gpg/Makefile.am (TESTS): Add t-encrypt-large.

2005-06-03 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (TESTS): Add t-wait.  
\* gpg/t-wait.c (main): New test.

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

\* gpg/mkdemodirs: Add copyright notice.  
  
\* gpgsm/Makefile.am, gpgsm/t-support.h, gpgsm/t-decrypt.c,  
gpgsm/t-encrypt.c, gpgsm/t-export.c, gpgsm/t-genkey.c,  
gpgsm/t-import.c, gpgsm/t-keylist.c, gpgsm/t-sign.c,  
gpgsm/t-verify.c, gpg/Makefile.am, gpg/t-decrypt.c,  
gpg/t-decrypt-verify.c, gpg/t-edit.c, gpg/t-encrypt.c,  
gpg/t-encrypt-sign.c, gpg/t-encrypt-sym.c,  
gpg/t-eventloop.c,  
gpg/t-export.c, gpg/t-genkey.c, gpg/t-import.c, gpg/t-keylist.c,  
gpg/t-keylist-sig.c, gpg/t-sign.c, gpg/t-signers.c,  
gpg/t-support.h, gpg/t-thread1.c, gpg/t-trustlist.c,  
gpg/t-verify.c, Makefile.am, t-data.c, t-engine-info.c,  
t-version.c: Change license to LGPL.

2004-08-17 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c (struct): Add new fields VALIDITY and KEY\_LENGTH.

(main): Use them.

\* gpgsm/t-import.c (check\_result): New argument total\_stat.

(main): Pass this argument. Reduce number of total considered keys to 1 for the second test.

2004-04-05 Werner Koch <wk@gnupg.org>

\* gpgsm/Makefile.am: Changed the faked system time to 20011213T12000.

2004-03-07 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c: Add chain IDs.

2004-03-03 Werner Koch <wk@gnupg.org>

\* gpgsm/t-export.c (main): Also check exporting 2 certificates.

2004-02-17 Werner Koch <wk@gnupg.org>

\* gpgsm/t-import.c (check\_result): gpgsm does now return info in the result->imports; adjust for that.

\* gpgsm/Makefile.am (TESTS\_ENVIRONMENT): Reset the GPG\_AGENT\_INFO.

Include config.h at the top of each C source. This is required due to LFS support.

\* gpg/t-keylist-sig.c (main): s/class/sig\_class/.

\* gpg/t-signers.c (check\_result): Ditto.

\* gpg/t-sign.c (check\_result): Ditto.

\* gpg/t-encrypt-sign.c (check\_result): Ditto.

\* gpgsm/t-sign.c (check\_result): Ditto.

2004-01-12 Werner Koch <wk@gnupg.org>

\* gpg/t-keylist-sig.c (main): Temporary disabled one test due top gpg 1.3.4 problems.

\* gpg/t-import.c (check\_result): Likewise.

2003-11-19 Werner Koch <wk@gnupg.org>

\* gpg/t-support.h (DIM): Added.

\* gpg/t-verify.c (check\_result): Rewrote test for notations because the order of notations is not guaranteed.

\* gpgsm/t-support.h (fail\_if\_err): Also print the numeric values.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-eventloop.c: Include <sys/types.h> for old systems.

\* gpgsm/Makefile.am

(DISTCLEANFILES): Add random\_seed.

\* gpg/t-thread1.c (thread\_one): Do not call initialize\_gpgme.

Likewise.

2003-09-14 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-thread1.c (main): Call init\_gpgme here.

(initialize\_gpgme): Function removed.

\* gpg/t-thread1.c: New file.

\* gpg/Makefile.am (TESTS): Add t-thread1.c.

(t\_thread1\_LDADD): New variable.

(LDADD): Remove GPG Error lib.

\* gpgsm/Makefile.am (LDADD): Likewise.

\* gpg/t-import.c (main): Likewise.

\* gpg/t-keylist-sig.c (main): Likewise.

\* gpg/t-keylist.c (main): Likewise.

\* gpg/t-sign.c (main): Likewise.

\* gpg/t-signers.c (main): Likewise.

\* gpg/t-trustlist.c (main): Likewise.

\* gpgsm/t-support.h: Include <stdlib.h> and <locale.h>.

(init\_gpgme): New function.

\* gpg/t-support.h: Likewise.

\* gpgsm/t-verify.c (main): Call init\_gpgme.

\* gpgsm/t-decrypt.c (main): Likewise.

\* gpgsm/t-encrypt.c (main): Likewise.

\* gpgsm/t-export.c (main): Likewise.

\* gpgsm/t-genkey.c (main): Likewise.

\* gpgsm/t-import.c (main):

Likewise.

\* gpgsm/t-keylist.c (main): Likewise.

\* gpgsm/t-sign.c (main): Likewise.

\* gpg/t-verify.c (main): Call init\_gpgme.

\* gpg/t-decrypt-verify.c (main): Likewise.

\* gpg/t-decrypt.c (main): Likewise.

- \* gpg/t-edit.c (main): Likewise.
- \* gpg/t-encrypt-sign.c (main): Likewise.
- \* gpg/t-encrypt-sym.c (main): Likewise.
- \* gpg/t-encrypt.c (main): Likewise.
- \* gpg/t-eventloop.c (main): Likewise.
- \* gpg/t-export.c (main): Likewise.
- \* gpg/t-genkey.c (main): Likewise.

2003-08-14 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-sign.c (check\_result): Change output format for signature class to unsigned int.
- \* gpg/t-signers.c (check\_result): Likewise.
- \* gpg/t-encrypt-sign.c (check\_result): Likewise.
- \* gpgsm/t-sign.c (check\_result): Likewise.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-verify.c (check\_result): Change type of SUMMARY to unsigned int.
- \* gpg/t-decrypt-verify.c (check\_verify\_result): Likewise.
- \* gpg/t-keylist-sig.c (keys): Change type of member CLASS to unsigned int.
- \* t-data.c (read\_cb): Change type of AMOUNT to unsigned int.
- \* t-version.c (version): Remove unused variable.

2003-07-22 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (AM\_CPPFLAGS): New variable.  
(LDADD): Add @GPG\_ERROR\_LIBS@.
- \* gpg/Makefile.am (AM\_CPPFLAGS): New variable.  
(LDADD): Add @GPG\_ERROR\_LIBS@.
- \* gpgsm/Makefile.am (AM\_CPPFLAGS): New variable.  
(LDADD): Add @GPG\_ERROR\_LIBS@.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

Everywhere: Use libgpg-error error codes.

- \* gpg/Makefile.am (noinst\_HEADERS): New variable.
- \* gpg/t-support.h: New file.
- \* gpgsm/Makefile.am (noinst\_HEADERS): New variable.
- \* gpgsm/t-support.h: New file.

2003-05-29 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/t-encrypt-sym.c (main): Adapt to new syntax.

- \* gpg/t-encrypt.c (main): Likewise.
- \* gpg/t-eventloop.c (main): Likewise.
- \* gpg/t-encrypt-sign.c (main): Likewise.
- \* gpgsm/t-export.c (main): Likewise.
- \* gpgsm/t-encrypt.c (main): Likewise.

2003-05-28 Marcus

Brinkmann <marcus@g10code.de>

- \* gpg/t-eventloop.c (main): Rewrite recipient management.
- \* gpg/t-encrypt-sign.c (main): Likewise.
- \* gpg/t-encrypt.c (main): Likewise.
- \* gpg/t-export.c (main): Likewise.
- \* gpgsm/t-encrypt.c (main): Likewise.
- \* gpgsm/t-export.c (main): Likewise.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

- \* gpg/Makefile.am (TESTS): Order t-keylist and t-keylist-sig after t-import.
- \* gpg/t-edit.c (edit\_fnc): Fix primary UID for keylisting tests.
- \* gpg/t-keylist.c: Change order of user IDs.
- \* gpg/t-keylist-sig.c: Likewise.
- \* gpg/t-import.c: Add support for gpg in CVS.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

- \* t-data.c: Remove TEST\_OUT\_CB.  
(main): Likewise.
- \* gpg/t-trustlist.c (main): Access ITEM directly.
- \* (t-decrypt-verify.c, t-decrypt.c, t-edit.c, t-encrypt-sign.c, t-encrypt-sym.c, t-sign.c, t-signers.c): Include <unistd.h>.  
(passphrase\_cb): Rewritten.
- \* t-edit.c (edit\_fnc): Rewritten.

2003-05-04 Marcus Brinkmann <marcus@g10code.de>

- \*  
gpg/t-keylist-sig.c (main): Remove timestamp check.
- \* gpgsm/t-keylist.c: Add check for timestamp.
- \* gpg/Makefile.am (TESTS): Add t-keylist-sig.
- \* gpg/t-keylist-sig.c: New file.

2003-04-30 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-eventloop.c (main): Do not call print\_op\_info.  
(print\_op\_info): Function removed.

\* gpg/t-keylist.c: Rewritten.  
\* gpgsm/t-keylist.c (main): Rewritten.  
\* gpg/t-edit.c (main): Do not use gpgme\_key\_get\_as\_xml. Use  
gpgme\_key\_unref instead gpgme\_key\_release.  
\* gpg/t-signers.c (main): Use gpgme\_key\_unref instead  
gpgme\_key\_release.

2003-04-29 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-trustlist.c: Rewritten.  
  
\* gpg/t-verify.c (main): Rewritten.  
\* gpg/t-decrypt-verify.c: Rewritten.  
\* gpgsm/t-verify.c (main): Rewritten.

2003-04-28 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-decrypt.c (main): Rewritten.  
  
\* gpg/t-decrypt.c: Rewritten.  
  
\* gpg/t-signers.c: Rewritten.

2003-04-27 Marcus Brinkmann <marcus@g10code.de>

\*  
gpg/t-encrypt-sign.c (check\_result): Rewritten.  
  
\* gpg/t-sign.c: Rewritten.  
\* gpgsm/t-sign.c: Rewritten.  
\* gpg/t-encrypt.c: Check for invalid recipients.  
\* gpgsm/t-encrypt.c: Likewise.  
  
\* gpg/t-import.c (check\_result): Really use FPR.  
\* gpgsm/t-import.c (check\_result): Rewritten.

2003-04-25 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-import.c: Rewritten.  
  
\* gpgsm/t-genkey.c: Rewritten.  
\* gpgsm/Makefile.am (noinst\_PROGRAMS): Add t-genkey.  
\* gpg/t-genkey.c: Include <stdlib.h>.  
(main): Check result->fpr before checking its length.

2003-04-24 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-genkey.c: Rewritten to match new semantics.

2003-02-06 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-decrypt.c (passphrase\_cb): Fix to new prototype.

\* gpg/t-decrypt-verify.c (passphrase\_cb): Likewise.

\* gpg/t-edit.c (passphrase\_cb): Likewise.

\* gpg/t-encrypt-sign.c (passphrase\_cb): Likewise.

\* gpg/t-encrypt-sym.c (passphrase\_cb): Likewise.

\* gpg/t-sign.c (passphrase\_cb): Likewise.

\*

gpg/t-signers.c (passphrase\_cb): Likewise.

2003-01-30 Marcus Brinkmann <marcus@g10code.de>

\* t-engine-info.c: Use file\_name instead path throughout.

\* Makefile.am (TESTS): Add t-engine-info.

\* t-engine-info.c: New file.

\* gpg/t-encrypt.c (main): Don't print engine info.

\* gpg/t-eventloop.c (main): Likewise.

\* gpg/t-encrypt-sign.c (main): Likewise.

\* gpgsm/t-encrypt.c (main): Likewise.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (main): Adjust caller of gpgme\_op\_verify.

\* gpg/t-verify.c (main): Likewise.

\* gpg/t-decrypt-verify.c (main): Likewise for  
gpgme\_op\_decrypt\_verify.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (./gpgsm.conf): Add a faked system time to  
avoid certification's expiry.

\* gpgsm/t-encrypt.c (main): Use the short certification name.

2002-11-19 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-genkey.c (main): Add missing argument to gpgme\_op\_genkey  
invocation.

2002-10-09 Marcus Brinkmann

<marcus@g10code.de>

\* gpg/t-decrypt.c (print\_data): Update to new gpgme\_data\_read



interface, and use `gpgme_engine_check_version` instead  
`gpgme_check_version`.

- \* `gpg/t-decrypt-verify.c` (`print_data`): Likewise.
- \* `gpg/t-edit.c` (`main`): Likewise.
- \* `gpg/t-encrypt.c` (`print_data`): Likewise.
- \* `gpg/t-encrypt-sign.c` (`print_data`): Likewise.
- \* `gpg/t-encrypt-sym.c` (`print_data`): Likewise.
- \* `gpg/t-eventloop.c` (`print_data`): Likewise.
- \* `gpg/t-export.c` (`print_data`): Likewise.
- \* `gpg/t-sign.c` (`print_data`): Likewise.
- \* `gpg/t-signers.c` (`print_data`): Likewise.
- \* `gpgsm/t-decrypt.c` (`print_data`): Likewise.
- \* `gpgsm/t-encrypt.c` (`print_data`): Likewise.
- \* `gpgsm/t-export.c` (`print_data`): Likewise.
- \* `gpgsm/t-sign.c` (`print_data`): Likewise.
- \* `gpg/t-verify.c` (`main`): Likewise for `gpgme_op_verify`.
- \* `gpgsm/t-verify.c` (`main`): Likewise for `gpgme_op_verify`.
- \* `t-data.c` (`read_once_test`): Likewise.  
(`write_test`): Update for new behaviour of data objects.  
(`main`): Remove type test.

2002-09-30 Werner Koch <wk@gnupg.org>

\*

- `gpgsm/t-keylist.c` (`doit`): Add arg `SECRET`.  
(`main`): Add option `--secret`.

2002-09-28 Marcus Brinkmann <marcus@g10code.de>

- \* `t-version.c`: Include <`string.h`>. Reported by Stphane Corthsy.

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

- \* `gpg/t-keylist.c` (`main`): Test `PATTERN` for `NULL` before printing.  
Reported by Dr. Stefan Dalibor <Dr.Stefan.Dalibor@bfa.de>.

2002-08-01 Marcus Brinkmann <marcus@g10code.de>

- \* `gpg/t-edit.c`: Also add a test for the `expire` command (testing  
the passphrase callback).

2002-07-28 Marcus Brinkmann <marcus@g10code.de>

- \* `gpg/t-edit.c`: New file.
- \* `gpg/Makefile` (`TESTS`): Add `t-edit`.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sym.c (main): Change type of I to size\_t and rename to LEN.  
\* gpg/t-verify.c (main): Likewise. Submitted by Stphane Corthsy.

2002-07-03 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-eventloop.c: New file.  
\* gpg/Makefile (TESTS): Add t-eventloop.

2002-06-26 Werner Koch <wk@gnupg.org>

\*  
gpgsm/t-import.c (print\_op\_info): New.  
(main): Print operation info.

2002-06-25 Werner Koch <wk@gnupg.org>

\* gpgsm/Makefile.am (DISTCLEANFILES): new.

2002-06-25 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (TESTS): Add t-export.  
gpgsm/t-export.c: New file.

2002-06-20 Werner Koch <wk@gnupg.org>

\* gpgsm/t-sign.c (main): Also test a normal signature.  
  
\* gpg/Makefile (TESTS\_ENVIRONMENT): Set GPG\_AGENT\_INFO empty.  
\* gpg/t-signers.c, gpg/t-sign.c, gpg/t-encrypt-sym.c  
\* gpg/t-encrypt-sign.c, gpg/t-decrypt.c  
\* gpg/t-decrypt-verify.c (main): Changed the GPG\_AGENT\_INFO check to match the one in ../gpgme/rungpg.c.

2002-06-12 Werner Koch <wk@gnupg.org>

\* gpgsm/t-keylist.c (doit): Print operation info if available.

2002-06-10 Werner Koch <wk@gnupg.org>

\* gpgsm/t-verify.c (print\_sig\_stat): Print the error token.

2002-06-04 Werner Koch <wk@gnupg.org>

\* gpgsm/t-encrypt.c (main): Add a simple option parser and allow to specify an encryption

key.

2002-05-26 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (all-local): Remove dependency on ./secring.gpg.  
(./secring.gpg): Remove target, and move all rules for this target  
to ...  
(./pubring.gpg): ... here. This was necessary because GnuPG 1.0.7  
does create an empty secring.gpg file when importing public keys.

2002-05-08 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c (validity\_string): New.  
(print\_sig\_stat): Print expire time and validity.  
(status\_string): Add new expired stati.

2002-05-03 Werner Koch <wk@gnupg.org>

\* gpg/t-verify.c (validity\_string): New.  
(print\_sig\_stat): Print expire time and validity.  
(status\_string): Add new expired stati.

2002-04-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (./trustlist.txt): Put more into this file to  
prevent use of gpg-agent.  
(./gpg-agent.conf): Remove target.  
(all-local): Remove ./gpg-agent.conf.

2002-04-05 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c  
(main): Use gpgme\_engine\_check\_version instead  
gpgme\_check\_engine.  
\* gpgsm/t-encrypt.c (main): Likewise.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sym.c: New file.  
\* gpg/Makefile.am (TESTS): Add t-encrypt-sym.

2002-03-05 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (CLEANFILES): Remove random\_seed, which is now  
in DISTCLEANFILES.

2002-03-04 Werner Koch <wk@gnupg.org>

\* gpg/Makefile.am (DISTCLEANFILES): Added.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-verify.c (main): Add a few more sanity checks, and a check for normal signatures.

2002-02-26 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-encrypt-sign.c: New file.  
\* gpg/Makefile.am (TESTS): Add t-encrypt-sign.

2002-02-13 Werner Koch <wk@gnupg.org>

\* gpgsm/Makefile.am (private-keys-v1.d): Don't fail when the directory already exists.

2002-02-12 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (CLEANFILES): New target.  
(distclean-local): Rename to  
...  
(clean-local): ... this.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (./private-keys-v1.d/\$(key\_id).key): Fix rule.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-genkey.c: New file (not added to Makefile.am because of gpg-agent bug).

2002-02-08 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (key\_id): Update value.  
(all-local): Add .key to keyid filename.  
(./private-keys-v1.d/\$(key\_id)): Renamed to ...  
(./private-keys-v1.d/\$(key\_id).key): ... this.  
(all-local): Add ./gpgsm.conf, ./trustlist.txt.  
(./gpgsm.conf, ./trustlist.txt): New target.  
\* gpgsm/567064FE6D14A17B2D811ABB407728BC558AA455: Renamed to ...  
\* gpgsm/32100C27173EF6E9C4E9A25D3D69F86D37A4F939: ... this.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-import.c (print\_op\_info): New function.  
(main): Use it.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-signers.c (passphrase\_cb): Change type of r\_hd to void\*\*.

\* gpg/t-sign.c (passphrase\_cb):

Likewise.

\* gpg/t-decrypt-verify.c (passphrase\_cb): Likewise.

\* gpg/t-decrypt.c (passphrase\_cb): Likewise.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

\* gpg/t-decrypt-verify.c: Don't include `mcheck.h'. Reported by  
Stphane Corthisy.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (EXTRA\_DIST): Add missing line continuation.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile.am (EXTRA\_DIST): Add \$(key\_id).

2001-12-16 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/Makefile: Rename `pubcerts.kbx' to `pubring.kbx'.

2001-12-15 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c (check\_two\_contexts): Set protocols.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-sign.c: New file.

\* gpgsm/Makefile.am (TESTS): Add t-sign.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-decrypt.c: New file.

\* gpgsm/567064FE6D14A17B2D811ABB407728BC558AA455: Likewise.

\* gpgsm/Makefile.am (TESTS): Add

t-decrypt.

(key\_id): New variable.

(all-local): New target ./private-keys-v1.d/\$(key\_id) added.

(./private-keys-v1.d/\$(key\_id)): New target.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-verify.c: New file.

\* gpgsm/Makefile.am (TESTS): Add t-verify.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpg/Makefile.am (GPG): Set to @GPG\_PATH@.

(./pubring.gpg): Use \$(GPG) instead gpg.

(./secring.gpg): Likewise.

\* gpgsm/t-import.c (main): Remove third test case.

\* gpgsm/Makefile.am (GPGSM): Set to @GPGSM@.

(all-local): New target.

(./pubcerts.kbx): Likewise.

\* gpgsm/t-encrypt.c: New file.

\* gpgsm/Makefile.am (TESTS): Add t-encrypt.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/t-keylist.c: New file.

\* gpgsm/Makefile.am (TESTS): Add t-keylist.

2001-12-13 Marcus Brinkmann <marcus@g10code.de>

\* gpgsm/cert\_dfn\_pca01.der: New file.

\* gpgsm/cert\_dfn\_pca15.der: Likewise.

\* gpgsm/cert\_g10code\_test1.der: Likewise.

\* gpgsm/t-import.c: Likewise.

\*

gpgsm/Makefile.am (EXTRADIST): Add new files.

(TESTS): Add t-import.

2001-11-22 Marcus Brinkmann <marcus@g10code.de>

\* gpg/: New directory.

\* Makefile.am, t-verify.c, t-encrypt.c, t-signers.c, t-trustlist.c,  
t-sign.c, t-keylist.c, t-import.c, t-genkey.c, t-export.c,  
t-decrypt-verify.c, t-decrypt.c, t-version.c, t-data.c, mkdemodirs.  
cipher-1.asc, cipher-2.asc, geheim.txt, pubdemo.asc, pubkey-1.asc,  
secdemo.asc, seckey-1.asc): Move to sub directory gpg/.

\* gpg/Makefile.am (INCLUDES): Include gpgme/, not include/ and  
intl/.

(LDD): Correct relative path to gpgme library.

(TESTS): Remove t-version and t-data.

\* gpg/t-verify.c, gpg/t-encrypt.c, gpg/t-signers.c, gpg/t-trustlist.c,  
gpg/t-sign.c, gpg/t-keylist.c, gpg/t-import.c, gpg/t-genkey.c,  
gpg/t-export.c, gpg/t-decrypt-verify.c, gpg/t-decrypt.c,  
t-version.c, t-data.c): Include gpgme.h, not "../gpgme/gpgme.h".

- \* Makefile.am: New file.
- \* gpgsm/: New directory.
- \* gpgsm/Makefile.am: New file.

2001-11-16 Marcus

Brinkmann <marcus@g10code.de>

- \* Makefile.am (TESTS): Add t-decrypt-verify.
- \* t-decrypt-verify.c: New file.
- \* cipher-2.asc: Likewise.

2001-11-02 Marcus Brinkmann <marcus@g10code.de>

- \* t-data.c: Include stddef.h.
- (read\_once\_test): Change type of READ to size\_t.
- (read\_test): Likewise.
- (write\_test): Likewise.

2001-10-29 Marcus Brinkmann <marcus@g10code.de>

- \* t-signers.c: New file.
- \* Makefile.am (TESTS): Add t-signers.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (TEST\_ENVIRONMENT): Revert last change.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (TEST\_ENVIRONMENT): Set environment to \$(srcdir), not current directory.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- \* t-data.c (write\_test): New function.
- (main): Invoke write\_test for all rounds except TEST\_OUT\_CB.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- \* Makefile.am (INCLUDES): Remove spurious duplicate to silence automake.

2001-10-16 Marcus Brinkmann <marcus@g10code.de>

- \*
- t-version.c: New file.
- \* t-data.c: Likewise.
- \* t-data-1.txt: Likewise.

\* t-data-2.txt: Likewise.  
\* Makefile.am (TESTS): Add t-version, t-data.

2001-09-17 Werner Koch <wk@gnupg.org>

\* t-keylist.c (check\_two\_contexts): New.

2001-09-03 Werner Koch <wk@gnupg.org>

\* t-encrypt.c (print\_op\_info): New and use it after each operation.

2001-08-28 Werner Koch <wk@gnupg.org>

\* t-sign.c (print\_op\_info): New and use it after each operation.

2001-03-15 Werner Koch <wk@gnupg.org>

\* t-keylist.c (doit): List subkeys too, show caps.

2001-02-13 Werner Koch <wk@gnupg.org>

\* t-verify.c (print\_sig\_stat): Repaled along by unsigned long  
because we don't use the config stuff here.

2001-02-12 Werner Koch <wk@gnupg.org>

\* tests/t-verify.c (print\_sig\_stat): Print info about the keys.

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# -\*- mode: org -\*-

#+TITLE: What's New in the GPGME Python Bindings and Documentation

#+AUTHOR: Ben McGinnes

#+LATEX\_COMPILER: xelatex

#+LATEX\_CLASS: article

#+LATEX\_CLASS\_OPTIONS: [12pt]

#+LATEX\_HEADER: \usepackage{xltextra}

#+LATEX\_HEADER: \usepackage[margin=1in]{geometry}



```
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
```

```
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

\* What's New

:PROPERTIES:

:CUSTOM\_ID: new-stuff

:END:

```
Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
xml:lang:	en-AU, en-GB, en
```

Last time the most obviously new thing was adding the /What's New/ section to the HOWTO. Now it's moving it out of the HOWTO.

\*\* New in GPGME 1130

:PROPERTIES:

:CUSTOM\_ID: new-stuff-1-13-0

:END:

Additions since GPGME 1.12.0 include:

- Moving the /What's New/ section out of the basic [\[\[file:gnupg-pyhton-howto.org\]\]](http://file:gnupg-pyhton-howto.org) document and into its own file so as to more readily include other documents beyond that HOWTO.
- Moving the preceding, archival, segments into [\[\[file:what-was-new.org\]\]](http://file:what-was-new.org) another file]].
- Added `=gpg.version.versionintlist=` to make it easier for Python developers to check for a specific version number, even with beta versions (it will drop the "-betaN" part).
- Added expanded detail on issues pertaining to installing for Windows users.
- Bindings enter [\[\[file:maintenance-mode\]\]](http://file:maintenance-mode) maintenance mode]] from January, 2019.
- Added documentation on maintenance mode and what changes can be made to the code when in that status. Essentially that boils down to bug fixes only and no feature requests.
- The `import-keys-hkp.py` example script, which uses the `=hkp4py=` module to search the SKS servers for a key, has been tightened up to search for both hexadecimal key IDs and user ID strings with reduced chance of unnecessary repetition. There may still be some repetition if a key includes a user ID matching the hexadecimal value of a key ID.

000

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Deutsches Forschungsnetz10UDFN-PCA1+0)U"DFN Server Certification Authority1!0 \*H  
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pca.crl0`HB0)`HBhttps://mystic.pca.dfn.de/0A`HB42http://www.pca.dfn.de/dfnpca/policy/wwwpolicy.html0`HB

This certificate was issued by the DFN-PCA, the Top  
Level Certification Authority of the German Research  
Network (Deutsches Forschungsnetz, DFN).

The key owner's identity was authenticated in

accordance with the DFN World Wide Web Policy, v1.00!`HBcgi/check-rev.cgi?0

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Version 2.1, February 1999

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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a)

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executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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Ty Coon, President of Vice

That's all there is to it!

1543830060

##Sketch 1 2

document()

layout('A4',1)

fp((0,0,0))

ft(1)

Fn('Helvetica-Bold')

Fs(18)

dstyle('Text')

fp((0,1,0.498))

ft(1)

lp((0,0,0))

lw(0.283465)

lc(1)

lj(0)

```

ld()
la1()
la2()
dstyle('Application Box')
layer('Layer 1',1,1,0,0,(0,0,0))
lw(1)
r(0,0,0,0,688.145,44.1554)
lw(1)
r(0,0,0,0,682.363,85.0359)
lp((0.392,0.584,0.929))
lw(4.25197)
b()
bs(605.383,329.758,0)
bs(605.383,230.546,0)
lw(1)
r(0,0,0,0,807.414,53.6148)
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(480.134,240.945,0)
bs(480.358,325.277,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(474.803,432.284,0)
bs(475.334,360.243,0)
lw(3.25)
ld((1, 1))
la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(354.331,432.284,0)
bs(352.806,361.417,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(212.598,432.284,0)
bs(212.598,361.417,0)
fp((0.999,1,0.4))
lw(0.283465)
r(70.5968,0,0,-56.6929,191.608,488.976,0.0603744,0.151107)
lw(1)
r(0,0,0,0,88.5492,390.805)
lp((0.392,0.584,0.929))
lw(4.25197)

```

b()  
bs(226.772,524.409,0)  
bs(226.772,488.976,0)  
lp((0.392,0.584,0.929))  
lw(4.25)  
b()  
bs(403.937,528.718,0)  
bs(403.937,488.976,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1,  
1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(240.945,432.284,0)  
bs(240.574,394.994,0)  
bs(595.276,396.85,0)  
bs(595.276,361.417,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(333.071,432.284,0)  
bs(333.07,425.196,0)  
bs(333.07,382.677,0)  
bs(240.945,382.677,0)  
bs(240.945,361.417,0)  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.347,318.897,354.331,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica-Bold')  
Fs(10)  
txt('GPG',(1,0,0,0.905764,344.004,335.686))  
G\_()  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.3464,446.763,354.33,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)

```

style('Text')
txt('GpgConf',(0.552654,0,0,0.500564,481.802,340.184),1,1)
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-28.347,191.338,354.331,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('GpgSM',(0.552654,0,0,0.500574,226.376,340.185),1,1)
G_()
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(347.244,325.984,0)
bs(347.244,325.984,0)
bs(347.244,255.118,0)
bs(304.724,255.118,0)
bs(304.724,226.771,0)
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(233.858,325.984,0)
bs(233.858,255.118,0)
bs(276.378,255.118,0)
bs(276.378,226.771,0)
fp((0,0,0))
le()
lw(1)
Fn('Palatino-Roman')
txt('2008-07-17',(0.608301,0,0,0.608301,708.661,65.8308))
lw(1)
r(0,0,0,0,750.427,153.265)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1,
1))
la2((((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(219.685,325.984,0)
bs(219.685,198.425,0)
bs(219.685,162.992,0)
G()
fp((1,1,1))

```



lw(0.283465)  
r(113.386,0,0,-42.5196,35.4333,162.992,0.0670228,0.151107)  
fp((0,0,0))  
lw(0.283465)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('LDAP  
Server',(0.552654,0,0,0.552654,92.1261,148.819),1,1)  
fp((0,0,0))  
lw(0.283465)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('(CRLs, Certificates)',(0.552654,0,0,0.552654,92.1261,134.646),1,1)  
G\_  
G()  
fp((1,1,1))  
lw(0.283465)  
r(113.386,0,0,-42.5196,35.4331,99.2125,0.0670228,0.151107)  
fp((0,0,0))  
lw(0.283465)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('HTTP Server',(0.552654,0,0,0.552654,92.1259,85.0394),1,1)  
fp((0,0,0))  
lw(0.283465)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('(CRLs)',(0.552654,0,0,0.552654,92.1259,70.8662),1,1)  
G\_  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.866,0,0,-31.2962,191.338,158.855,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)

Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 txt('DirMgr',(0.552654,0,0,0.552654,224.02,142.978),1,1)  
 G\_  
 lw(2)  
 ld((1, 1))  
 la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
 b()  
 bs(219.15,126.18,0)  
 bs(219.685,77.9528,0)  
 bs(155.906,77.9528,0)  
 lp((0.392,0.584,0.929))  
 lw(3)  
 b()  
 bs(233.858,127.559,0)  
 bs(233.858,99.2125,0)  
 bs(276.378,99.2125,0)  
 bs(276.378,85.0393,0)  
 lp((0.392,0.584,0.929))  
 lw(3)  
 b()  
 bs(248.031,127.559,0)  
 bs(248.031,113.386,0)  
 bs(375.59,113.386,0)  
 bs(375.59,85.0393,0)  
 G()  
 fp((1,0.647,0.31))  
 lw(0.283465)  
 r(99.2124,0,0,-28.3464,333.07,85.0393,0.0670228,0.151107)  
 fp((0,0,0))  
 le()  
 lw(1)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 Fn('Helvetica-Bold')  
 Fs(18)  
 txt('Certificate  
 Cache',(0.552654,0,0,0.552654,382.606,69.8548),1,1)  
 fp((1,0.647,0.31))  
 lw(0.283465)  
 r(70.5589,0,0,-28.3464,248.031,85.0393,0.0670228,0.151107)  
 fp((0,0,0))  
 le()  
 lw(1)  
 Fn('Helvetica')  
 Fs(14)

style('Text')  
txt('CRL Cache',(0.552654,0,0,0.552654,284.147,70.6936),1,1)  
G\_  
lw(1)  
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
b()  
bs(503.149,240.945,0)  
bs(503.149,283.464,0)  
bs(588.189,283.465,0)  
bs(588.189,325.984,0)  
lw(1)  
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
b()  
bs(503.149,283.464,0)  
bs(503.149,283.464,0)  
bs(361.417,283.464,0)  
bs(361.417,325.984,0)  
lw(1)  
la2([( (-4.0,  
3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
b()  
bs(361.417,283.464,0)  
bs(205.512,283.465,0)  
bs(205.512,325.984,0)  
lw(1)  
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
b()  
bs(574.015,85.0393,0)  
bs(574.015,141.732,0)  
bs(262.204,141.732,0)  
lw(1)  
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
b()  
bs(602.361,85.0393,0)  
bs(602.361,170.079,0)  
bs(439.37,170.079,0)  
bs(439.37,311.811,0)  
bs(460.629,311.811,0)  
bs(460.629,325.984,0)  
lw(1)  
ld((5, 1))  
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0) ], 1))  
b()  
bs(389.763,240.945,0)  
bs(389.763,269.291,0)  
bs(290.551,269.291,0)  
bs(290.551,340.157,0)  
bs(262.204,340.157,0)

lw(1)  
ld((5, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(389.763,269.291,0)  
bs(559.843,269.291,0)  
bs(559.843,333.071,0)  
bs(574.016,333.071,0)  
lw(1)  
ld((5, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(488.976,85.0393,0)  
bs(488.976,127.559,0)  
bs(389.763,127.559,0)  
bs(389.763,212.598,0)  
lw(2)  
ld((1,  
1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(205.512,127.559,0)  
bs(205.512,113.386,0)  
bs(170.079,113.386,0)  
bs(170.079,141.732,0)  
bs(155.906,141.732,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))  
b()  
bs(622.961,356.76,0)  
bs(622.961,518.503,0)  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.3459,573.199,354.33,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('GpgAgent',(0.552654,0,0,0.500554,608.238,340.185),1,1)  
G\_  
lp((0.392,0.584,0.929))  
lw(4.25)  
b()

bs(721.712,467.717,0)  
bs(721.712,297.838,0)  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-28.3464,686.278,297.637,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('SCdaemon',(0.552654,0,0,0.500564,721.316,283.492),1,1)  
G\_()  
fp((1,0.647,0.31))  
lw(0.283465)  
lj(1)  
r(86.162,0,0,-117.493,679.192,566.929,0.181818,0.333333)  
G()  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Smartcard',(0.552654,0,0,0.552654,698.127,491.036))  
fp((0.999,1,0.4))  
lw(0.283465)  
r(70.5589,0,0,-31.2962,686.279,557.593,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('Card  
Reader',(0.552654,0,0,0.552654,721.318,541.975),1,1)  
G\_()  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(73.6353,0,0,-41.2944,587.066,565.703,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('PIN Entry',(0.57675,0,0,0.729211,623.632,545.097),1,1)

G\_()  
 lp((0.392,0.584,0.929))  
 lw(3.25)  
 ld((1, 1))  
 la2([( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
 b()  
 bs(643.758,340.157,0)  
 bs(643.758,340.157,0)  
 bs(707.539,340.158,0)  
 bs(707.539,304.724,0)  
 lw(1)  
 la2([( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
 b()  
 bs(574.016,283.465,0)  
 bs(587.066,283.464,0)  
 bs(686.278,283.464,0)  
 G()  
 lp((0.392,0.584,0.929))  
 lw(4.25197)  
 b()  
 bs(98.9053,325.985,0)  
 bs(98.9053,240.945,0)  
 G()  
 fp((0.999,1,0.4))  
 lw(0.283465)  
 r(70.5589,0,0,-28.3464,63.7795,354.331,0.0670228,0.151107)  
 fp((0,0,0))  
 le()  
 lw(1)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 txt('WatchGnuPG',(0.552654,0,0,0.552654,98.8185,338.713),1,1)  
 G\_()  
 G()  
 fp((1,0.647,0.31))  
 lw(0.283465)  
 r(70.5589,0,0,-28.1194,63.7795,240.718,0.0670228,0.168178)  
 fp((0,0,0))  
 le()  
 lw(1)  
 Fn('Helvetica')  
 Fs(14)  
 style('Text')  
 txt('Log  
 Socket',(0.552654,0,0,0.552654,98.8175,225.1),1,1)  
 G\_()  
 G\_()

G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(85.0392,0,0,-28.3464,446.457,240.945,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Config Files',(0.552654,0,0,0.552654,485.621,226.772),1,1)  
G\_  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(85.0392,0,0,-28.3464,545.669,85.0394,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Config Files',(0.552654,0,0,0.552654,584.834,70.8662),1,1)  
G\_  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(84.6546,0,0,-27.3609,347.245,239.959,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Help  
Files',(0.552654,0,0,0.552654,388.252,224.705),1,1)  
G\_  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(84.6546,0,0,-27.3609,446.457,85.0394,0.0670228,0.151107)  
fp((0,0,0))

le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Help Files',(0.552654,0,0,0.552654,487.464,69.7854),1,1)  
G\_()  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(85.0392,0,0,-28.3464,248.032,240.945,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Keybox Files',(0.552654,0,0,0.552654,289.59,226.322),1,1)  
G\_()  
G()  
fp((1,0.647,0.31))  
lw(0.283465)  
r(70.866,0,0,-28.3464,574.016,240.945,0.0670228,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(18)  
txt('Private Keys',(0.552654,0,0,0.552654,609.449,226.772),1,1)  
G\_()  
G()  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(24)  
txt('Scute',(0.552654,0,0,0.599958,224.978,465.775),1,1)  
fp((0,0,0))



le()  
lw(1)  
Fn('Times-Roman')  
Fs(10)  
txt('(pkcs#11)',(1,0,0,1.08559,206.081,445.011))  
G\_()  
G()  
fp((0.999,1,0.4))  
lw(0.283465)  
r(198.827,0,0,-56.6929,304.322,488.976,0.0603744,0.151107)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
Fn('Helvetica-Bold')  
Fs(36)  
txt('GPGME  
Library',(0.552654,0,0,0.552654,404.952,457.853),1,1)  
G\_()  
G()  
lw(1)  
style('Application Box')  
r(197.598,0,0,-42.5187,304.724,566.928,0.0152672,0.0677968)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
txt('GPGME aware Application',(0.98062,0,0,0.937018,334.892,540.985))  
G\_()  
G()  
lw(1)  
style('Application Box')  
r(127.829,0,0,-41.7496,162.992,566.159,0.0152672,0.0677968)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
txt('Legacy Application',(174.688,540.01))  
G\_()  
G()  
G()  
lp((0.392,0.584,0.929))  
lw(4.25197)  
b()  
bs(749.296,162.296,0)  
bs(705.89,162.296,0)

lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0,  
-3.0), (-4.0, 3.0)], 1))  
b()  
bs(705.89,100.083,0)  
bs(744.472,100.083,0)  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(705.89,131.189,0)  
bs(744.472,131.189,0)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('execute/access',(0.31891,0,0,0.280771,726.951,87.3768),1,1)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('closely linked',(0.31891,0,0,0.280771,724.715,149.589),1,1)  
fp((0,0,0))  
le()  
lw(1)  
Fn('Helvetica')  
Fs(14)  
style('Text')  
txt('Assuan protocol',(0.31891,0,0,0.280771,728.535,118.483),1,1)  
G\_()  
lw(1)  
r(56.6929,0,0,-92.126,701.575,170.079)  
G\_()  
lp((0.392,0.584,0.929))  
lw(3.25)  
ld((1, 1))  
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))  
b()  
bs(248.031,325.984,0)  
bs(248.031,297.638,0)  
bs(538.583,297.638,0)  
bs(538.583,340.157,0)

```

bs(566.929,340.157,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2(((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(375.591,325.984,0)
bs(375.591,304.724,0)
bs(531.496,304.724,0)
bs(531.496,347.244,0)
bs(566.929,347.244,0)
guidelayer('Guide
Lines',1,0,0,1,(0,0,1))
grid((0,0,7.08661,7.08661),1,(0,0,1),'Grid')
Just GNU it!
Just GNU it!
Just GNU it!
-*- mode: org -*-
#+TITLE: GNU Privacy Guard (GnuPG) Made Easy Python Bindings
#+AUTHOR: Ben McGinnes
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}

```

\* GPGME Python Bindings

```

:PROPERTIES:
:CUSTOM_ID: top
:END:

```

\*\* Contents

```

:PROPERTIES:
:CUSTOM_ID: contents
:END:

```

- [[file:short-history][A short history of the project]]
- [[file:what-is-new][What's New]]
- [[file:maintenance-mode][Maintenance Mode]] (from January, 2019)
- [[file:what-was-new][What Was New]]
- [[file:gpgme-python-howto][GPGME Python Bindings HOWTO]]

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and

`show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

```
\input texinfo @c -*- texinfo -*-
@c %**start of header
@setfilename short-history.info
@settitle A Short History of the GPGME bindings for Python
@documentencoding utf-8
@documentlanguage en
@c %**end of header

@finalout
@titlepage
@title A Short History of the GPGME bindings for Python
@author Ben McGinnes
@end titlepage

@contents

@ifnottex
@node Top
@top A Short History of the GPGME bindings for Python
@end ifnottex

@menu
* Overview::
* Relics of the past::

@detailmenu
--- The Detailed Node Listing ---
```

## Overview

- \* In the beginning::
- \* Keeping the flame alive::
- \* Passing the torch::
- \* Coming full circle::

## Relics of the past

- \* The Annoyances of Git::
- \* The Perils of PyPI::

## The Perils of PyPI

- \* GPG 180 - Python bindings for GPGME GnuPG cryptography library::
- \* PyME 090 - Python support for GPGME GnuPG cryptography library::

@end detailmenu

@end menu

@node Overview

@chapter Overview

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab

0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item xml:lang:

@tab en-AU, en-GB, en

@end multitable

The GPGME Python bindings passed through many hands and numerous phases before, after a fifteen year journey, coming full circle to return to the source. This is a short explanation of that journey.

@menu

- \* In the beginning::
- \* Keeping the flame alive::
- \* Passing the torch::
- \* Coming full circle::

@end menu

@node In the beginning

@section In the beginning

In 2002 John Goerzen released PyME; Python bindings for the GPGME module which utilised the current release of Python of the time and SWIG. @footnote{In all likelihood this would have been Python 2.2 or possibly Python 2.3.} Shortly after creating it and ensuring it worked he stopped supporting it, though he left his work available on his Gopher site.

@node Keeping

the flame alive

@section Keeping the flame alive

A couple of years later the project was picked up by Igor Belyi and actively developed and maintained by him from 2004 to 2008. Igor's whereabouts at the time of this document's creation are unknown, but the current authors do hope he is well. We're assuming (or hoping) that life did what life does and made continuing untenable.

@node Passing the torch

@section Passing the torch

In 2014 Martin Albrecht wanted to patch a bug in the PyME code and discovered the absence of Igor. Following a discussion on the PyME mailing list he became the new maintainer for PyME, releasing version 0.9.0 in May of that year. He remains the maintainer of the original PyME release in Python 2.6 and 2.7 (available via PyPI).

@node Coming full circle

@section Coming full circle

In 2015 Ben McGinnes approached Martin about a Python 3 version, while investigating how complex a task this would be the task ended up being completed. A subsequent discussion with Werner Koch led to the decision to fold the Python 3 port back into the original GPGME release in the languages subdirectory for non-C bindings under the module name of @samp{pyme3}.

In 2016 this PyME module was integrated back into the GPGME project by Justus Winter. During the course of this work Justus adjusted the port to restore limited support for Python 2, but not as many minor point releases as the original PyME package supports. During the course of this integration the package was renamed to more

accurately reflect its status as a component of GPGME. The @samp{pyme3} module was renamed to @samp{gpg} and adopted by the upstream GnuPG team.

In 2017 Justus departed G10code and the GnuPG team. Following this Ben returned to maintain of gpgme Python bindings and continue building them from that point.

@node Relics of the past  
@chapter Relics of the past

There are a few things, in addition to code specific factors, such as SWIG itself, which are worth noting here.

@menu

\*

The Annoyances of Git::

\* The Perils of PyPI::

@end menu

@node The Annoyances of Git  
@section The Annoyances of Git

As anyone who has ever worked with git knows, submodules are horrible way to deal with pretty much anything. In the interests of avoiding migraines, that was skipped with addition of the PyME code to GPGME.

Instead the files were added to a subdirectory of the @samp{lang/} directory, along with a copy of the entire git log up to that point as a separate file within the @samp{lang/python/docs/} directory. @footnote{The entire PyME git log and other preceding VCS logs are located in the @samp{gpgme/lang/python/docs/old-commits.log} file.} As the log for PyME is nearly 100KB and the log for GPGME is approximately 1MB, this would cause considerable bloat, as well as some confusion, should the two be merged.

Hence the unfortunate, but necessary, step to simply move the files. A regular repository version has been maintained should it be possible to implement this better in the future.

@node The Perils of PyPI  
@section The Perils of PyPI

The early port of the Python 2 @samp{pyme} module as @samp{pyme3} was never added to PyPI while the focus remained on development and testing during 2015 and early 2016. Later in 2016, however, when Justus completed his major integration work and subsequently renamed the

module from @samp{pyme3} to @samp{gpg}, some prior releases were also provided through PyPI.

Since these bindings require a matching release of the GPGME libraries in order to function, it was determined that there was little benefit in also providing a copy through PyPI since anyone obtaining the GPGME source code would obtain the Python bindings source code at the same time. Whereas there was the potential to sew confusion amongst Python users installing the module from PyPI, only to discover that without the relevant C files, header files or SWIG compiled binaries, the Python module did them little good.

There are only two files on PyPI which might turn up in a search for this module or a sample of its content:

@enumerate

@item

gpg (1.8.0) - Python bindings for GPGME GnuPG cryptography library

@item

pyme (0.9.0) - Python support for GPGME GnuPG cryptography library

@end enumerate

@menu

\* GPG 180 - Python bindings for GPGME GnuPG cryptography library::

\* PyME 090 - Python support for GPGME GnuPG cryptography library::

@end menu

@node GPG 180 - Python bindings for GPGME GnuPG cryptography library

@subsection GPG 180 - Python bindings for GPGME GnuPG cryptography library

This is the most recent version to reach PyPI and is the version of the official Python bindings which shipped with GPGME 1.8.0. If you have GPGME 1.8.0 installed and @emph{only} 1.8.0 installed, then it is probably safe to use this copy from PyPI.

As there have been a lot of changes since the release of GPGME 1.8.0, the GnuPG Project recommends not using this version of the module and instead installing the current version of GPGME along with the

Python bindings included with that package.

@node PyME 090 - Python support for GPGME GnuPG cryptography library

@subsection PyME 090 - Python support for GPGME GnuPG cryptography library

This is the last release of the PyME bindings maintained by Martin Albrecht and is only compatible with Python 2, it will not work with Python 3. This is the version of the software from which the

port from Python 2 to Python 3 code was made in 2015.

Users of the more recent Python bindings will recognise numerous points of similarity, but also significant differences. It is likely that the more recent official bindings will feel "more pythonic."

For those using Python 2, there is essentially no harm in using this module, but it may lack a number of more recent features added to GPGME.

@bye  
commit 2145348ec54c6027f2ea20f695de0277e2871405  
Merge: 348ba88 2036f1a  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 03:04:19 2015 +1000

Merge pull request #4 from Hasimir/master

history

commit 2036f1a0a670a0561993e195c458059220b36114  
Merge: dbabf0c 348ba88  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:57:44 2015 +1000

Merge branch 'master' of github:adversary-org/pyme3

commit dbabf0cf1f2985755c2293b619011832e34faa9c  
Author: Ben McGinnes <ben@adversary.org>  
Date: Wed May 6 02:52:23 2015 +1000

Added a short history

- \* A (very) brief summary of the project's history since 2002.
- \* Deals with why the commit log in the GPGME repo does not include the history of PyME.
- \* Mentions that intact git repos will be maintained, but not where they are (one will be on github, another will be in a user directory on playfair.gnupg.org).

docs/Short\_History.rst | 57 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++  
1 file  
changed, 57 insertions(+)

commit 348ba883424778c711c04ae9b66035ccdb36eb8c  
Merge: 127d0a5 7c37a27  
Author: Ben McGinnes <ben@adversary.org>



Date: Wed May 6 02:21:34 2015 +1000

Merge pull request #3 from Hasimir/master

Version release preparation

commit 7c37a27a6845c58222d4d947c2efbe38e955b612

Merge: f692cff 127d0a5

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:17:14 2015 +1000

Merge branch 'master' of github:adversary-org/pyme3

commit f692cff50a89c2c61acdbd3d7dd60f5ce3cd15af

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:09:44 2015 +1000

TODO update

\* Removed reference to GitHub, replaced with impending new home at [gnupg.org](http://gnupg.org).

docs/TODO.rst | 4 +++-

1 file changed, 2 insertions(+), 2 deletions(-)

commit bd5ccf9e3bfe69fa681613757577e87b72ca08ec

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:00:44 2015 +1000

Version bump

\* Bumped version number to 0.9.1 to keep it somewhat in line with the existing

PyME project, even though there will be some divergence at some point (or even re-merging, depending on how many of the Python 3 modifications can be back-ported to the Python 2 version).

\* Updated the author and copyright information to reflect the two current authors (Martin and I).

\* Replaced Igor's contact details with mine.

\* Replaced project home page with the GnuPG one.

pyme/version.py | 16 ++++++++-----

1 file changed, 9 insertions(+), 7 deletions(-)

commit ec167512f4ca88d8f6e89e2ae831798c8283b4df

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 01:48:01 2015 +1000

README preparation.

\* Changes in preparation for impending move of code to the GnuPG git server as a part of GPGME.

README.rst | 14 ++++++-----

1 file changed, 7 insertions(+), 7 deletions(-)

commit 8a48515e884c36b5bdb24a13cb4d2e49f4ee6f17

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 01:43:53 2015 +1000

TODO moved to docs

\* As it says.

TODO.rst | 25 -----

docs/TODO.rst | 25 ++++++

2 files changed, 25 insertions(+), 25 deletions(-)

commit f968c777472f01f308f6e57eac1740bf5c76c205

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 16:52:13 2015 +1000

Started another TODO file.

TODO.rst | 25 ++++++

1 file changed, 25 insertions(+)

commit 127d0a56fa9f7ad1d4fb39d0b529b890a8d67365

Merge: db72dea 44837f6

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:59:44 2015 +1000

Merge pull request #2 from Hasimir/master

Minor editing.

commit 44837f6e50fc539c86aef1f75a6a3538b02029ea

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:56:55 2015 +1000

Minor editing.

\* Fixed another URL.

\* Changed Py3 version's version number to v0.9.1-beta0.

README.rst | 4 ++--

1 file changed, 2 insertions(+), 2 deletions(-)

commit db72deaae19c3513391df040bcacf66a88d9213af  
Merge: db34286 48eb185  
Author:  
Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 14:26:11 2015 +1000

Merge pull request #1 from Hasimir/master

Links

commit 48eb1856cb0739cc9f0b9084da9d965e1fc7fddd  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 14:22:30 2015 +1000

Links

- \* Fixed URLs for authors.
- \* Updated my entry to point to github location.
- \*\* I strongly suspect the result of this work will be concurrent projects, so preparing for that eventuality with this repo.

README.rst | 8 ++++----  
1 file changed, 4 insertions(+), 4 deletions(-)

commit db3428659783f30b9a76204403daedf9fc4cf7cf  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 11:29:00 2015 +1000

Explicit over Implicit ...

... isn't just for code.

- \* Removed the 2to3 working directory and its contents.
- \* Made the README.rst file a little more clear that this branch is for Python 3 (set Python 3.2 as a fairly arbitrary requirement for the moment, but will probably raise this to 3.3).

2to3/2to3-output-remaining.log | 60 ---  
2to3/2to3-output-setup.log | 35 --  
2to3/2to3-output.log | 950 -----  
README.rst | 10 +-  
4 files changed, 7 insertions(+), 1048 deletions(-)

commit 3edf07a4ba8a86af3a33246234d6e133074862af  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 11:19:41 2015 +1000

Added authors.

- \* In alphabetical order.
- \* Mine will need updating once Martin and I have decided what to do regarding the two main branches.

README.rst | 12 ++++++

1 file changed, 12 insertions(+)

commit 811eb14b53e8856312d99f46b77215f7f9bd672c

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:23:00 2015 +1000

Docs and other things.

- \* Now able to import pyme.core without error, indicates port process is successful.
- \* Code is *\*not\** compatible with the Python 2 version.
- \* Will need to consider making this a parallel project with the master branch.
- \* Got rid of the .org TODO file.
- \* Changed the README to use the reST file extension since it's full of reST anyway.

2to3/TODO.org | 5 -----

README.rst | 32 ++++++

README.txt | 32 -----

3 files changed, 32 insertions(+), 37 deletions(-)

commit 79e784bdcce1de6f7856921b5431044c62c6f015

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:18:40 2015 +1000

Fixed another implicit import by making it explicit. Hopefully this is the last one.

pyme/util.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 2b52b46ccda3e7abcc50eed0745062259d698661

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:16:01 2015 +1000

Fixed another implicit import by making it explicit.

pyme/errors.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 409c8fd565e21f23cd41daaeffc867e6d23a0863  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 10:08:22  
2015 +1000

Bytes vs. Unicode

\* Trying PyBytes instead of PyUnicode.

gpgme.i | 14 ++++++-----  
helpers.c | 8 +++++---  
2 files changed, 11 insertions(+), 11 deletions(-)

commit d8164aa2ae98bf8c807c16e2d9be12c5fba7cfd  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 09:22:58 2015 +1000

String to Unicode

\* Replaced all instances of PyString with PyUnicode (and hoping there's  
no byte data in there).

gpgme.i | 14 ++++++-----  
helpers.c | 8 +++++---  
2 files changed, 11 insertions(+), 11 deletions(-)

commit bd99b7865656e559b17c419c6b64b412a22c6c44  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 09:17:06 2015 +1000

PyInt\_AsLong

\* Replaced all instances of PyInt with PyLong, as per C API docs.

gpgme.i | 4 +---  
helpers.c | 8 +++++---  
2 files changed, 6 insertions(+), 6 deletions(-)

commit 3c91e2ccf8ca788b51e3308e292c6b64888fdb15  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 05:59:36 2015 +1000

Import correction

\* Once pygpgme.py is generated and moved, it will be in the right  
directory for the explicit "from . import pygpgme" to be correct.

pyme/core.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 23a49e7070812ff1ce138d8d4cc46d0b80328897  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 05:38:29 2015 +1000

The -py3 flag.

Makefile | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit b1549587d6db5e33081b9c20f75d1348a1d25938  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 05:01:42 2015 +1000

Fixed indentation - 4.

pyme/core.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit a685142ce46761ee6f5176e90717176e38e0d24f  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun May 3 05:00:16 2015 +1000

Fixed indentation - 3.

pyme/core.py | 5 +++-  
1 file changed, 2 insertions(+), 3 deletions(-)

commit 488a70b490cc64eb1c47d2483cb2f4079c6767f7  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sun  
May 3 04:53:21 2015 +1000

Pet Peeve

```
def pet_peeve(self):
 peeve = print("people who don't press return after a colon!")
```

FFS!

pyme/core.py | 5 +++-  
1 file changed, 3 insertions(+), 2 deletions(-)

commit a5d38eb47d64bb17bb609fe594dae2aca480bac9  
Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:47:54 2015 +1000

Fixed indentation - 2.

pyme/core.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 476a207f732b8559abb1ea3c23147c0e34804730

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:46:01 2015 +1000

Fixed indentation.

pyme/core.py | 4 +++  
1 file changed, 2 insertions(+), 2 deletions(-)

commit 0572900eba9bcd9b0283c7d8e022e8972f06f9f8

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:43:49 2015 +1000

Replaced all tabs with 4 spaces.

pyme/core.py | 18 ++++++++-----  
1 file changed, 9 insertions(+), 9 deletions(-)

commit 78c0b7677e94ce1e11b8cdb833a9064527187330

Author: Ben McGinnes <ben@adversary.org>

Date:

Sun May 3 04:39:07 2015 +1000

SWIG flags in the wrong place.

Makefile | 4 +++  
1 file changed, 2 insertions(+), 2 deletions(-)

commit dfa7f2589963494a8f89277560d8c1116604a3c8

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:35:09 2015 +1000

Fixed subprocess call for swig (again).

setup.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 249bfd8c714dcda53127b99b6cc8a6c7c4a99f20

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:32:40 2015 +1000

Fixed subprocess call for swig.

setup.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 6fd7e719cf4c975f466ceb39835db7007df36fb2

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 03:51:48 2015 +1000

Linking swig to py3

\* Changed the swig invocations to run with the -python -py3 flags explicitly.

Makefile | 4 +++  
setup.py | 2 +-  
2 files changed, 3 insertions(+), 3 deletions(-)

commit 7a6b584f50ed6ddc8617a642185eea1f24ff791a

Author:

Ben McGinnes <ben@adversary.org>

Date: Sat May 2 11:12:00 2015 +1000

String fun

\* streamlined confdata details, including decoding strom binary to string.

setup.py | 4 +---  
1 file changed, 1 insertion(+), 3 deletions(-)

commit f7fd3f270592021a95a8f779bfe85ac18f4e390b

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:46:59 2015 +1000

Open File

\* Removed deprecated file() and replaced with open().

examples/PyGtkGpgKeys.py | 2 +-  
examples/pygpa.py | 6 +++---  
gpgme-h-clean.py | 2 +-  
3 files changed, 5 insertions(+), 5 deletions(-)

commit 4227d486f9558015e7e548d71085e58e1b50ec08

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:36:15 2015 +1000

print() fix



\* Makefile includes a python print, changed from statement to function.

Makefile | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 406f7f2567b701502186fe0a325dc2a3491ff7f8

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:28:42

2015 +1000

Updated Makefile

\* set make to use python3 instead.

\* This will mean a successful port may need to be maintained separately from the original python2 code instead of merged, but ought to be able to share most things. So maybe merge with separated make files or a pre-make script to set python2 or python3 prior to building ... decide later, after it works.

Makefile | 6 +++---  
1 file changed, 3 insertions(+), 3 deletions(-)

commit 90b3efa5b193d37e08dc9b4ee766ba9ebc9412af

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:15:20 2015 +1000

Env and a little license issue

\* Updated all the /usr/bin/env paths to point to python3.

\* Also fixed the hard coded /usr/bin/python paths.

\* Updated part of setup.py which gave the impression this package was only licensed under the GPL (it's actually licensed under the LGPL as well, essentially the same dual licensing as the GPGME library).

examples/PyGtkGpgKeys.py

| 2 +-  
examples/delkey.py | 2 +-  
examples/encrypt-to-all.py | 2 +-  
examples/exportimport.py | 2 +-  
examples/genkey.py | 2 +-  
examples/inter-edit.py | 2 +-  
examples/pygpa.py | 2 +-  
examples/sign.py | 2 +-  
examples/signverify.py | 2 +-  
examples/simple.py | 2 +-  
examples/t-edit.py | 2 +-  
examples/testCMSgetkey.py | 2 +-  
examples/verifydetails.py | 2 +-  

---

gpgme-h-clean.py | 2 +-  
setup.py | 4 +++  
15 files changed, 16 insertions(+), 16 deletions(-)

commit 1a4b55dbccd2774344352e579130bf494bc5fa4b  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 08:50:54 2015 +1000

Removed extraneous files.

\* The two .bak files.

pyme/errors.py.bak | 46 -----  
setup.py.bak | 116 -----  
2 files changed, 162 deletions(-)

commit 208879d4f2a6d0514c3f8ee2fc0da8bba42350de  
Author: Ben McGinnes <ben@adversary.org>  
Date:  
Sat May 2 08:19:37 2015 +1000

Added TODO.org

\* TODO list in Emacs org-mode.  
\* Will eventually be removed along with this entire directory when the porting process is complete.

2to3/TODO.org | 5 +++++  
1 file changed, 5 insertions(+)

commit 1548bf201059638675c5387c6f124d4b703363a9  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 07:58:40 2015 +1000

2to3 conversion of remaining files

\* Ran the extended version against all the unmodified python files.  
\* Only pyme/errors.py required additional work.

2to3/2to3-output-remaining.log | 60 +++++  
pyme/errors.py | 2 +-  
pyme/errors.py.bak | 46 +++++  
3 files changed, 107 insertions(+), 1 deletion(-)

commit 1230650bc6bbe4c14d1284f7877aa932f3e86eb4  
Author: Ben McGinnes <ben@adversary.org>  
Date: Sat May 2 07:50:39 2015 +1000

2to3 conversion of setup.py

- \* Ran extended 2to3 command to produce python 3 code for setup.py.
- \* Effectively testing for what to run against the other originally unmodified py2 files.

```
2to3/2to3-output-setup.log | 35 ++++++
setup.py | 7 +-
setup.py.bak | 116 ++++++
3 files changed, 154 insertions(+), 4 deletions(-)
```

commit edad44955f59aa879e95a369591717fb19eec6b7  
Author: Ben McGinnes <ben@adversary.org>  
Date: Fri May 1 21:50:07 2015 +1000

Removing 2to3 generated .bak files.

- \* Not really needed with a real VCS, but couldn't hurt to have them for a couple of revisions. ;)

```
examples/PyGtkGpgKeys.py.bak | 663 -----
examples/encrypt-to-all.py.bak | 65 --
examples/exportimport.py.bak | 75 --
examples/genkey.py.bak | 45 -
examples/inter-edit.py.bak | 57 --
examples/pygpa.py.bak | 1457 -----
examples/sign.py.bak
| 31 -
examples/signverify.py.bak | 78 --
examples/simple.py.bak | 52 --
examples/t-edit.py.bak | 59 --
examples/testCMSgetkey.py.bak | 45 -
examples/verifydetails.py.bak | 100 ---
gpgme-h-clean.py.bak | 42 -
pyme/callbacks.py.bak | 47 --
pyme/constants/data/__init__.py.bak | 4 -
pyme/constants/keylist/__init__.py.bak | 4 -
pyme/constants/sig/__init__.py.bak | 4 -
pyme/core.py.bak | 463 -----
pyme/util.py.bak | 72 --
pyme/version.py.bak | 41 -
20 files changed, 3404 deletions(-)
```

commit 1cfc3c969f885ed191610bffb6d60ac23fdd349e  
Author: Ben McGinnes <ben@adversary.org>  
Date: Fri May 1 21:45:50 2015 +1000

2to3 conversion log

\* The output of the command to convert the code from Python 2 to 3.

\* Note: this contains the list of files which were not modified

and

which will or may need to be modified.

2to3/2to3-output.log | 950 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++  
1 file changed, 950 insertions(+)

commit 078f6cf878aa62d12704fab424198a613a24cc8c

Author: Ben McGinnes <ben@adversary.org>

Date: Fri May 1 21:36:58 2015 +1000

2to3 conversion of pyme master

\* Branch from commit 459f3eca659b4949e394c4a032d9ce2053e6c721

\* Ran this: or x in `find . | egrep .py\$` ; do 2to3 -w \$x; done ;

\* Multiple files not modified, will record elsewhere (see next commit).

```
examples/PyGtkGpgKeys.py | 10 +-
examples/PyGtkGpgKeys.py.bak | 663 +++++++++++++++++++++++++++++++++
examples/encrypt-to-all.py | 12 +-
examples/encrypt-to-all.py.bak | 65 ++
examples/exportimport.py | 20 +-
examples/exportimport.py.bak | 75 ++
examples/genkey.py | 2 +-
examples/genkey.py.bak | 45 +
examples/inter-edit.py | 8 +-
examples/inter-edit.py.bak | 57 ++
examples/pygpa.py | 40 +-
examples/pygpa.py.bak | 1457 +++++++++++++++++++++++++++++++++++++
examples/sign.py | 2 +-
examples/sign.py.bak | 31 +
examples/signverify.py | 18 +-
examples/signverify.py.bak | 78 ++
examples/simple.py | 8 +-
examples/simple.py.bak | 52 ++
examples/t-edit.py | 12 +-
examples/t-edit.py.bak | 59 ++
examples/testCMSgetkey.py | 8 +-
examples/testCMSgetkey.py.bak | 45 +
examples/verifydetails.py | 34 +-
examples/verifydetails.py.bak | 100 +++
gpgme-h-clean.py | 2 +-
gpgme-h-clean.py.bak | 42 +
pyme/callbacks.py | 6 +-

```

```
pyme/callbacks.py.bak | 47 ++
pyme/constants/data/__init__.py
| 2 +-
pyme/constants/data/__init__.py.bak | 4 +
pyme/constants/keylist/__init__.py | 2 +-
pyme/constants/keylist/__init__.py.bak | 4 +
pyme/constants/sig/__init__.py | 2 +-
pyme/constants/sig/__init__.py.bak | 4 +
pyme/core.py | 26 +-
pyme/core.py.bak | 463 ++++++++
pyme/util.py | 6 +-
pyme/util.py.bak | 72 ++
pyme/version.py | 2 +-
pyme/version.py.bak | 41 +
40 files changed, 3515 insertions(+), 111 deletions(-)
```

commit 459f3eca659b4949e394c4a032d9ce2053e6c721

Merge: c5966ab dae7f14

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Wed Jul 9 10:48:33 2014 +0100

Merged in jerrykan/pyme/fix\_setup\_26 (pull request #1)

Provide support for using setup.py with Python v2.6

commit dae7f14a54e6c2bde0ad4da7308cc7fc0d0c0469

Author: John Kristensen

<john.kristensen@dpipwe.tas.gov.au>

Date: Wed Jul 9 15:54:39 2014 +1000

Provide support for using setup.py with Python v2.6

The setup.py script uses subprocess.check\_output() which was introduced in Python v2.7. The equivalent functionality can be achieved without adding much extra code and provide support for Python v2.6.

```
setup.py | 4 +++-
```

1 file changed, 3 insertions(+), 1 deletion(-)

commit c5966abec9d772b3922d32650da288fd50a217be

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Thu May 15 19:43:00 2014 +0100

README.txt in ReST, including headlines

```
README.txt | 8 ++++++--
```

1 file changed, 6 insertions(+), 2 deletions(-)

commit 43ee8c6f34fa9b6d3975aa6ea60b3d4a741fa721  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Thu May 15 19:37:15 2014 +0100

README.txt in ReST

README.txt | 25 ++++++-----  
1 file changed, 13 insertions(+), 12 deletions(-)

commit f71a369484cba8801df23ccc5842335fa496c0df  
Author:  
Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Thu May 15 19:28:12 2014 +0100

added MANIFEST.in and README.txt (instead of .md)

MANIFEST.in | 6 ++++++  
README.md | 27 -----  
README.txt | 27 ++++++  
3 files changed, 33 insertions(+), 27 deletions(-)

commit d0d6755229f920b0bed043e9c2731de2d57c096c  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Tue May 13 09:52:44 2014 +0100

added mailing list to README

README.md | 19 ++++++-----  
1 file changed, 16 insertions(+), 3 deletions(-)

commit 30ca60ddf92df684de261cb24c83c68089be0adc  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sun May 11 13:34:28 2014 +0100

we don't need a separate out of date ChangeLog file

ChangeLog | 802 -----  
1 file changed, 802 deletions(-)

commit 8263f1a6d38fdb7f5f3dd5c7e28f83caa7528a08  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date:  
Sun May 11 13:32:31 2014 +0100

adding README.md

README.md | 14 ++++++  
1 file changed, 14 insertions(+)

commit 3fc71b47e9e14b0b984801c28d722723baa4b406  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 10 15:43:06 2014 +0100

ValueError -> RuntimeError

setup.py | 4 +++-  
1 file changed, 2 insertions(+), 2 deletions(-)

commit eec432abea56296b9fa36aac0d10926a2335b739  
Merge: eea6537 d2738b3  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 10 15:41:02 2014 +0100

Merge branch 'master' of bitbucket.org:malb/pyme

Conflicts:  
setup.py

commit eea6537921061b4dcfc54e00a99d3fa110e71433  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 10 15:39:51 2014 +0100

check for swig

setup.py | 8 ++++++++  
1 file changed, 8 insertions(+)

commit 53867bf9715ee1b4ea873bf5e2fbb7d9740a2b4a  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 10 15:35:04 2014 +0100

more friendly error message if gpgme is missing

setup.py | 8 ++++++++  
1 file changed, 7 insertions(+), 1 deletion(-)

commit d2738b35d63b1492d69641c5466103685f2d3a30  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 10 15:35:04 2014 +0100

more friendly error message if gpgme is missing

setup.py | 8 ++++++++  
1 file changed, 7 insertions(+), 1 deletion(-)

commit c0b01240becf8ba6cf1d4c1f64b2cb4c056f5163

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Fri May 9 15:20:24 2014 +0100

version number should have three digits

pyme/version.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 6672bb60b9bec60d38e854016c48658b57774578

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Wed May 7 15:11:08 2014 +0100

bump version number for upcoming release

pyme/version.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 7bd6de700f33ca5d1f27bc16ebbd401f21d2e788

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date:

Sat May 3 19:36:25 2014 +0100

bump version number to indicate changes

pyme/version.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 4fb6bd9b3f47c1a343242ac83b326cacd12a136e

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:34:07 2014 +0100

pyme instead of pygpgme

setup.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 9548973138d78241a45ccb82333b25f2cf36ce7d

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:31:10 2014 +0100

dirty hack to make 'python setup.py install' work

setup.py | 7 ++++---  
1 file changed, 4 insertions(+), 3 deletions(-)

commit a961d7eab9db478b7e603324bc5d243bd3c84bad

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:05:44 2014 +0100



moved everything down to the toplevel directory

```
COPYING | 340 ++
COPYING.LESSER | 510 +++
ChangeLog
 | 802 +++++
INSTALL | 15 +
Makefile | 104 +
debian/README.Debian | 6 +
debian/changelog | 93 +
debian/control | 34 +
debian/copyright | 25 +
debian/docs | 2 +
debian/examples | 2 +
debian/rules | 99 +
examples/PyGtkGpgKeys.glade | 1394 ++++++++
examples/PyGtkGpgKeys.gladep | 8 +
examples/PyGtkGpgKeys.py | 663 ++++
examples/delkey.py | 34 +
examples/encrypt-to-all.py | 65 +
examples/exportimport.py | 75 +
examples/genkey.py | 45 +
examples/inter-edit.py | 57 +
examples/pygpa.glade | 5546 ++++++++
examples/pygpa.py
 | 1457 ++++++++
examples/sign.py | 31 +
examples/signverify.py | 78 +
examples/simple.py | 52 +
examples/t-edit.py | 59 +
examples/testCMSgetkey.py | 45 +
examples/verifydetails.py | 100 +
gpgme-h-clean.py | 42 +
gpgme.i | 267 ++
helpers.c | 154 +
helpers.h | 36 +
pyme/COPYING | 340 --
pyme/COPYING.LESSER | 510 ---
pyme/ChangeLog | 802 -----
pyme/INSTALL | 15 -
pyme/Makefile | 104 -
pyme/__init__.py | 137 +
pyme/callbacks.py | 47 +
pyme/constants/__init__.py | 7 +
pyme/constants/data/__init__.py | 4
+
pyme/constants/data/encoding.py | 20 +
```

|                                      |            |
|--------------------------------------|------------|
| pyme/constants/event.py              | 20 +       |
| pyme/constants/import.py             | 20 +       |
| pyme/constants/keylist/__init__.py   | 4 +        |
| pyme/constants/keylist/mode.py       | 20 +       |
| pyme/constants/md.py                 | 20 +       |
| pyme/constants/pk.py                 | 20 +       |
| pyme/constants/protocol.py           | 20 +       |
| pyme/constants/sig/__init__.py       | 4 +        |
| pyme/constants/sig/mode.py           | 20 +       |
| pyme/constants/sigsum.py             | 20 +       |
| pyme/constants/status.py             | 20 +       |
| pyme/constants/validity.py           | 20 +       |
| pyme/core.py                         | 463 +++    |
| pyme/debian/README.Debian            | 6 -        |
| pyme/debian/changelog                | 93 -       |
| pyme/debian/control                  | 34 -       |
| pyme/debian/copyright                | 25 -       |
| pyme/debian/docs                     | 2 -        |
| pyme/debian/examples                 |            |
| 2 -                                  |            |
| pyme/debian/rules                    | 99 -       |
| pyme/errors.py                       | 46 +       |
| pyme/examples/PyGtkGpgKeys.glade     | 1394 ----- |
| pyme/examples/PyGtkGpgKeys.gladep    | 8 -        |
| pyme/examples/PyGtkGpgKeys.py        | 663 ----   |
| pyme/examples/delkey.py              | 34 -       |
| pyme/examples/encrypt-to-all.py      | 65 -       |
| pyme/examples/exportimport.py        | 75 -       |
| pyme/examples/genkey.py              | 45 -       |
| pyme/examples/inter-edit.py          | 57 -       |
| pyme/examples/pygpa.glade            | 5546 ----- |
| pyme/examples/pygpa.py               | 1457 ----- |
| pyme/examples/sign.py                | 31 -       |
| pyme/examples/signverify.py          | 78 -       |
| pyme/examples/simple.py              | 52 -       |
| pyme/examples/t-edit.py              | 59 -       |
| pyme/examples/testCMSgetkey.py       | 45 -       |
| pyme/examples/verifydetails.py       | 100 -      |
| pyme/gpgme-h-clean.py                | 42 -       |
| pyme/gpgme.i                         | 267 --     |
| pyme/helpers.c                       | 154 -      |
| pyme/helpers.h                       | 36 -       |
| pyme/pyme/__init__.py                | 137 -      |
| pyme/pyme/callbacks.py               | 47 -       |
| pyme/pyme/constants/__init__.py      | 7 -        |
| pyme/pyme/constants/data/__init__.py | 4 -        |
| pyme/pyme/constants/data/encoding.py | 20 -       |
| pyme/pyme/constants/event.py         | 20 -       |

```

pyme/pyme/constants/import.py | 20 -
pyme/pyme/constants/keylist/__init__.py | 4 -
pyme/pyme/constants/keylist/mode.py | 20 -
pyme/pyme/constants/md.py | 20 -
pyme/pyme/constants/pk.py | 20 -
pyme/pyme/constants/protocol.py | 20 -
pyme/pyme/constants/sig/__init__.py | 4 -
pyme/pyme/constants/sig/mode.py | 20 -
pyme/pyme/constants/sigsum.py | 20 -
pyme/pyme/constants/status.py | 20 -
pyme/pyme/constants/validity.py | 20
-
pyme/pyme/core.py | 463 ---
pyme/pyme/errors.py | 46 -
pyme/pyme/util.py | 72 -
pyme/pyme/version.py | 41 -
pyme/setup.py | 99 -
pyme/util.py | 72 +
pyme/version.py | 41 +
setup.py | 99 +
108 files changed, 13384 insertions(+), 13384 deletions(-)

```

commit 8148cdd424c434e833ce427612ea8c89abc6e41c  
Author: Martin Albrecht <martinralbrecht@googlemail.com>  
Date: Sat May 3 18:58:52 2014 +0100

removing pyme-web

```

pyme-web/Makefile | 15 -
pyme-web/default.css | 37 --
pyme-web/doc/gpgme/ASCII-Armor.html | 57 ---
pyme-web/doc/gpgme/Advanced-Key-Editing.html | 98 ----
pyme-web/doc/gpgme/Algorithms.html | 47 --
pyme-web/doc/gpgme/Building-the-Source.html | 82 ----
.../doc/gpgme/Callback-Based-Data-Buffers.html | 148 -----
pyme-web/doc/gpgme/Cancellation.html | 67 ---
pyme-web/doc/gpgme/Concept-Index.html | 186 -----
pyme-web/doc/gpgme/Context-Attributes.html | 52 --
pyme-web/doc/gpgme/Contexts.html | 61 ---
pyme-web/doc/gpgme/Creating-Contexts.html | 49 --
pyme-web/doc/gpgme/Creating-Data-Buffers.html | 47 --
pyme-web/doc/gpgme/Creating-a-Signature.html | 143 -----
pyme-web/doc/gpgme/Crypto-Engine.html | 79 ---
pyme-web/doc/gpgme/Crypto-Operations.html | 67 ---
.../doc/gpgme/Cryptographic-Message-Syntax.html | 42 --
.../doc/gpgme/Data-Buffer-I_002fO-Operations.html | 104 ----
pyme-web/doc/gpgme/Data-Buffer-Meta_002dData.html | 100 ----
pyme-web/doc/gpgme/Decrypt-and-Verify.html | 79 ---

```

|                                                    |           |
|----------------------------------------------------|-----------|
| pyme-web/doc/gpgme/Decrypt.html                    | 123 ----  |
| pyme-web/doc/gpgme/Deleting-Keys.html              | 67        |
| ---                                                |           |
| pyme-web/doc/gpgme/Destroying-Contexts.html        | 46 --     |
| pyme-web/doc/gpgme/Destroying-Data-Buffers.html    | 70 ---    |
| pyme-web/doc/gpgme/Encrypt.html                    | 45 --     |
| pyme-web/doc/gpgme/Encrypting-a-Plaintext.html     | 147 ----- |
| pyme-web/doc/gpgme/Engine-Configuration.html       | 65 ---    |
| pyme-web/doc/gpgme/Engine-Information.html         | 119 ----  |
| pyme-web/doc/gpgme/Engine-Version-Check.html       | 48 --     |
| pyme-web/doc/gpgme/Error-Codes.html                | 133 ----  |
| pyme-web/doc/gpgme/Error-Handling.html             | 72 ---    |
| pyme-web/doc/gpgme/Error-Sources.html              | 89 ----   |
| pyme-web/doc/gpgme/Error-Strings.html              | 80 ---    |
| pyme-web/doc/gpgme/Error-Values.html               | 159 ----- |
| pyme-web/doc/gpgme/Exchanging-Data.html            | 58 ---    |
| pyme-web/doc/gpgme/Exporting-Keys.html             | 101 ----  |
| pyme-web/doc/gpgme/Features.html                   | 59 ---    |
| pyme-web/doc/gpgme/File-Based-Data-Buffers.html    | 74        |
| ---                                                |           |
| pyme-web/doc/gpgme/Function-and-Data-Index.html    | 229 ----- |
| pyme-web/doc/gpgme/Generating-Keys.html            | 144 ----- |
| pyme-web/doc/gpgme/Getting-Started.html            | 55 ---    |
| pyme-web/doc/gpgme/Hash-Algorithms.html            | 59 ---    |
| pyme-web/doc/gpgme/Header.html                     | 53 --     |
| .../doc/gpgme/I_002fO-Callback-Example-GDK.html    | 85 ----   |
| .../gpgme/I_002fO-Callback-Example-GTK_002b.html   | 86 ----   |
| .../doc/gpgme/I_002fO-Callback-Example-Qt.html     | 99 ----   |
| pyme-web/doc/gpgme/I_002fO-Callback-Example.html   | 259 ----- |
| pyme-web/doc/gpgme/I_002fO-Callback-Interface.html | 142 ----- |
| pyme-web/doc/gpgme/Importing-Keys.html             | 171 ----- |
| pyme-web/doc/gpgme/Included-Certificates.html      | 70 ---    |
| pyme-web/doc/gpgme/Information-About-Keys.html     | 207 ----- |
| .../doc/gpgme/Information-About-Trust-Items.html   | 75 ---    |
| pyme-web/doc/gpgme/Introduction.html               | 53 --     |
| pyme-web/doc/gpgme/Key-Listing-Mode.html           | 99 ----   |
| ---                                                |           |
| pyme-web/doc/gpgme/Key-Management.html             | 260 ----- |
| pyme-web/doc/gpgme/Key-Signatures.html             | 130 ----  |
| .../doc/gpgme/Largefile-Support-_0028LFS_0029.html | 110 ----  |
| pyme-web/doc/gpgme/Library-Copying.html            | 542 ----- |
| pyme-web/doc/gpgme/Library-Version-Check.html      | 97 ----   |
| pyme-web/doc/gpgme/Listing-Keys.html               | 204 ----- |
| pyme-web/doc/gpgme/Listing-Trust-Items.html        | 88 ----   |
| pyme-web/doc/gpgme/Locale.html                     | 69 ---    |
| pyme-web/doc/gpgme/Manipulating-Data-Buffers.html  | 45 --     |
| pyme-web/doc/gpgme/Manipulating-Keys.html          | 63 ---    |
| pyme-web/doc/gpgme/Manipulating-Trust-Items.html   | 62 ---    |

|                                                    |           |
|----------------------------------------------------|-----------|
| pyme-web/doc/gpgme/Memory-Based-Data-Buffers.html  | 107 ----  |
| pyme-web/doc/gpgme/Multi-Threading.html            | 93 ----   |
| pyme-web/doc/gpgme/OpenPGP.html                    | 44 --     |
| pyme-web/doc/gpgme/Overview.html                   | 57 ---    |
| pyme-web/doc/gpgme/Passphrase-Callback.html        | 101 ----  |
| pyme-web/doc/gpgme/Preparation.html                | 54 --     |
| pyme-web/doc/gpgme/Progress-Meter-Callback.html    | 80 ---    |
| pyme-web/doc/gpgme/Protocol-Selection.html         | 60 ---    |
| pyme-web/doc/gpgme/Protocols-and-Engines.html      | 82 ----   |
| pyme-web/doc/gpgme/Public-Key-Algorithms.html      | 74 ---    |
| .../doc/gpgme/Registering-I_002fO-Callbacks.html   | 81 ---    |
| pyme-web/doc/gpgme/Run-Control.html                | 53 --     |
| pyme-web/doc/gpgme/Selecting-Signers.html          | 64 ---    |
| pyme-web/doc/gpgme/Sign.html                       | 50 --     |
| pyme-web/doc/gpgme/Signal-Handling.html            | 61 ---    |
| pyme-web/doc/gpgme/Signature-Notation-Data.html    | 85 ----   |
| pyme-web/doc/gpgme/Text-Mode.html                  | 63 ---    |
| pyme-web/doc/gpgme/Trust-Item-Management.html      | 68 ---    |
| pyme-web/doc/gpgme/Using-Automake.html             | 74 ---    |
| pyme-web/doc/gpgme/Using-External-Event-Loops.html | 74 ---    |
| pyme-web/doc/gpgme/Using-Libtool.html              | 44 --     |
| pyme-web/doc/gpgme/Verify.html                     | 492 ----- |
| pyme-web/doc/gpgme/Waiting-For-Completion.html     | 77 ---    |
| pyme-web/doc/gpgme/index.html                      | 169 ----- |
| pyme-web/doc/pyme/index.html                       | 164 ----- |
| pyme-web/doc/pyme/pyme.callbacks.html              | 42 --     |
| .../doc/pyme/pyme.constants.data.encoding.html     | 48 --     |
| pyme-web/doc/pyme/pyme.constants.data.html         | 29 --     |
| pyme-web/doc/pyme/pyme.constants.event.html        | 48 --     |
| pyme-web/doc/pyme/pyme.constants.html              | 39 --     |
| pyme-web/doc/pyme/pyme.constants.import.html       | 49 --     |
| pyme-web/doc/pyme/pyme.constants.keylist.html      | 29 --     |
| pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 49 --     |
| pyme-web/doc/pyme/pyme.constants.md.html           | 58 ---    |
| pyme-web/doc/pyme/pyme.constants.pk.html           | 50 --     |
| pyme-web/doc/pyme/pyme.constants.protocol.html     | 48 --     |
| pyme-web/doc/pyme/pyme.constants.sig.html          | 29 --     |
| pyme-web/doc/pyme/pyme.constants.sig.mode.html     | 47 --     |
| pyme-web/doc/pyme/pyme.constants.sigsum.html       | 55 ---    |
| pyme-web/doc/pyme/pyme.constants.status.html       | 126 ----  |
| pyme-web/doc/pyme/pyme.constants.validity.html     | 50 --     |
| pyme-web/doc/pyme/pyme.core.html                   | 277 ----- |
| pyme-web/doc/pyme/pyme.errors.html                 | 82 ----   |
| pyme-web/doc/pyme/pyme.html                        | 164 ----- |
| pyme-web/doc/pyme/pyme.util.html                   | 81 ---    |

pyme-web/doc/pyme/pyme.version.html | 37 --

pyme-web/index.html | 72 ---

112 files changed, 10551 deletions(-)

commit 684d95feb7e10e538a56fb1b27f1456111bacb60

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Mon Jan 6 17:44:20 2014 +0100

fixing op\_export\_keys()

the conversion of gpgme\_key\_t [] was restricted to gpgme\_key\_t [] with the name recv, i.e. only the use-cases of encryption were covered.

see: [http://sourceforge.net/mailarchive/forum.php?forum\\_name=pyme-help&max\\_rows=25&style=nested&viewmonth=201309](http://sourceforge.net/mailarchive/forum.php?forum_name=pyme-help&max_rows=25&style=nested&viewmonth=201309)

pyme/gpgme.i | 6 +++---

1 file changed, 3 insertions(+), 3 deletions(-)

commit 658d23b95110d21eeb50abf4e74701a667521a88

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Mon Jan 6 17:41:33 2014 +0100

deleting CVSROOT

CVSROOT/checkoutlist | 13 -----

CVSROOT/commitinfo | 15 -----

CVSROOT/config | 21 -----

CVSROOT/cvswrappers | 19 -----

CVSROOT/editinfo | 21 -----

CVSROOT/loginfo | 26 -----

CVSROOT/modules | 26 -----

CVSROOT/notify | 12 -----

CVSROOT/rcsinfo | 13 -----

CVSROOT/taginfo | 20 -----

CVSROOT/verifymsg | 21 -----

11 files changed, 207 deletions(-)

commit 576b555499c094c4786d42de9e59aa9826009b89

Author:

convert-repo <devnull@localhost>

Date: Mon Jan 6 15:22:44 2014 +0000

update tags

commit 2dcf0c5b702eb5a18c66ff1e42a72eaa7427af1d

Author: belyi <devnull@localhost>

Date: Wed Nov 26 02:38:33 2008 +0000

Move Windows specific fix from helpers.c to helpers.h so that it works for edit callback as well as for the passphrase one.

pyme/helpers.c | 5 ----  
pyme/helpers.h | 5 +++++  
2 files changed, 5 insertions(+), 5 deletions(-)

commit 42a035f2ef62470fea7a7f8ee33a1297fa90a603

Author: belyi <devnull@localhost>

Date: Mon Nov 24 21:44:30 2008 +0000

Update the way build directives are constructed on MinGW to have a bit more robust. Update PyMe build version to 0.8.1 in version.py

pyme/pyme/version.py | 2 +-  
pyme/setup.py | 10 ++++++--  
2 files changed, 9 insertions(+), 3 deletions(-)

commit 3aaa20fbcba17066c9ffd580f5209946022793a2

Author: belyi <devnull@localhost>

Date: Mon Nov 24 06:57:11 2008 +0000

Update changelog

pyme/debian/changelog  
| 5 ++++-  
1 file changed, 4 insertions(+), 1 deletion(-)

commit 689ff46b2550547e3883f809a6dc40c22c3e137e

Author: belyi <devnull@localhost>

Date: Mon Nov 24 06:50:41 2008 +0000

Fix hang problem on Windows when password is written to a filehandle.  
Fix the way path is constructed on MinGW platform.

pyme/helpers.c | 5 +++++  
pyme/setup.py | 4 +++-  
2 files changed, 7 insertions(+), 2 deletions(-)

commit 852a60d541d66cb56f40378182b976fd87a02c46

Author: belyi <devnull@localhost>

Date: Sun Nov 23 04:31:31 2008 +0000

Add Bernard's example testCMSgetkey.py and his updates for verifydetails.py

pyme/examples/testCMSgetkey.py | 45 ++++++  
pyme/examples/verifydetails.py | 43 ++++++-----  
2 files changed, 77 insertions(+), 11 deletions(-)

commit f080527d9184f3360f0a8ef6136b9a188d8e7d2a

Author: belyi <devnull@localhost>

Date: Thu May 29 18:29:37 2008 +0000

Remove debian packaging for python2.3  
since it is removed from both  
testing and unstable dists.  
Update docs build target to have correct PYTHONPATH set.

pyme/Makefile | 2 +-  
pyme/debian/changelog | 4 +++-  
pyme/debian/control | 4 +++-  
pyme/debian/rules | 2 --  
4 files changed, 6 insertions(+), 6 deletions(-)

commit c25d133fcbadf3c7f6e655586b4a05d6e3cf6f0b

Author: belyi <devnull@localhost>

Date: Thu Apr 3 13:37:12 2008 +0000

Forgot to adjust mainText margin. Doing it now.

pyme-web/default.css | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 897286a54a32336d060cd03305cdec7905f34f1

Author: belyi <devnull@localhost>

Date: Thu Apr 3 13:00:11 2008 +0000

Fix an error in default.css and make index.html "Standards Compliant".

pyme-web/default.css | 2 +-  
pyme-web/index.html | 7 ++++---  
2 files changed, 5 insertions(+), 4 deletions(-)

commit 4e049212bd214449cc0ba1ce06e00782783f328a

Author: belyi <devnull@localhost>

Date: Thu Apr 3 12:38:42 2008 +0000

Adjust spacing  
between links.

pyme-web/default.css | 9 ++++---  
1 file changed, 6 insertions(+), 3 deletions(-)



commit cb2bddfbd77483b1deb14f2eab0715a03dd33fcd

Author: belyi <devnull@localhost>

Date: Wed Apr 2 22:50:21 2008 +0000

Make style a big more IE friendly.

pyme-web/default.css | 15 ++++++++-----

1 file changed, 11 insertions(+), 4 deletions(-)

commit ad66f0a1bb01b46baac328e9fee439b35a60c232

Author: belyi <devnull@localhost>

Date: Wed Apr 2 11:58:32 2008 +0000

Make GPGME documentation a bit more web friendly on the index.html page.

pyme-web/doc/gpgme/Algorithms.html | 2 +-  
pyme-web/doc/gpgme/Concept-Index.html | 2 +-  
pyme-web/doc/gpgme/Contexts.html | 2 +-  
pyme-web/doc/gpgme/Error-Handling.html | 2 +-  
pyme-web/doc/gpgme/Exchanging-Data.html | 2 +-  
pyme-web/doc/gpgme/Function-and-Data-Index.html | 2 +-  
pyme-web/doc/gpgme/Introduction.html | 4 +-  
pyme-web/doc/gpgme/Library-Copying.html  
| 2 +-  
pyme-web/doc/gpgme/Preparation.html | 2 +-  
pyme-web/doc/gpgme/Protocols-and-Engines.html | 2 +-  
pyme-web/doc/gpgme/index.html | 229 +-----  
11 files changed, 12 insertions(+), 239 deletions(-)

commit 4f57c0ccb049d4442e7732e2d1d05dabffd2a21d

Author: belyi <devnull@localhost>

Date: Wed Apr 2 06:12:57 2008 +0000

Add missing core.set\_locale() to set default locale for contexts.

pyme/debian/changelog | 2 +-  
pyme/pyme/core.py | 4 ++++  
2 files changed, 5 insertions(+), 1 deletion(-)

commit acf7ead3dea8590cf9fe86b67bb125837ad6ed4f

Author: belyi <devnull@localhost>

Date: Wed Apr 2 05:50:24 2008 +0000

Avoid leaks caused by keys.

Add set/get methods for engine info.

pyme/debian/changelog | 10 ++++++++  
pyme/pyme/core.py | 24 ++++++++  
-----

2 files changed, 34 insertions(+)

commit df4a2fb518adbb6420d95ce74af212c87abff7e7  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 04:04:41 2008 +0000

Update index.html to reflect new versions on the web.

pyme-web/Makefile | 3 ++-  
pyme-web/doc/gpgme/index.html | 4 +---  
pyme-web/index.html | 4 ++--  
3 files changed, 5 insertions(+), 6 deletions(-)

commit bd3ffc9bdf98d6aafde6b689c6c8215fa468612d  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 04:01:04 2008 +0000

Update PyMe documentation to match 0.8.0 version of the package.

pyme-web/doc/pyme/index.html | 14 ++++-----  
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 1 +  
pyme-web/doc/pyme/pyme.constants.protocol.html | 4 ++-  
pyme-web/doc/pyme/pyme.constants.status.html | 9 ++++++  
pyme-web/doc/pyme/pyme.core.html | 36 ++++++-----  
pyme-web/doc/pyme/pyme.errors.html | 8 +---  
pyme-web/doc/pyme/pyme.html | 14 ++++-----  
pyme-web/doc/pyme/pyme.util.html | 17 ++++++---  
pyme-web/doc/pyme/pyme.version.html | 14 ++++-----  
9 files changed, 82 insertions(+), 35 deletions(-)

commit 6973a69a317608a0d0661590d701f4e3f3a21b32  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 02:35:24 2008 +0000

Have a fix for Contents being put onto 'Function and Data Index' page.

pyme-web/doc/gpgme/Concept-Index.html | 2 +-  
pyme-web/doc/gpgme/Function-and-Data-Index.html | 153 +-----  
pyme-web/doc/gpgme/index.html | 154 ++++++-----  
3 files changed, 155 insertions(+), 154 deletions(-)

commit 086315964cbc2abad1187f306dcb9c72ac3257f3  
Author: belyi <devnull@localhost>  
Date: Wed Apr 2 01:00:29 2008 +0000

Update GPGME documentation. It's for v1.1.6 now.

pyme-web/doc/gpgme/ASCII-Armor.html | 57 ++  
 pyme-web/doc/gpgme/Advanced-Key-Editing.html | 98 +++  
 pyme-web/doc/gpgme/Algorithms.html | 47 ++  
 pyme-web/doc/gpgme/Building-the-Source.html | 82 +++  
 .../doc/gpgme/Callback-Based-Data-Buffers.html  
 | 148 +++++  
 pyme-web/doc/gpgme/Cancellation.html | 67 ++  
 pyme-web/doc/gpgme/Concept-Index.html | 186 ++++++  
 pyme-web/doc/gpgme/Context-Attributes.html | 52 ++  
 pyme-web/doc/gpgme/Contexts.html | 61 ++  
 pyme-web/doc/gpgme/Creating-Contexts.html | 49 ++  
 pyme-web/doc/gpgme/Creating-Data-Buffers.html | 47 ++  
 pyme-web/doc/gpgme/Creating-a-Signature.html | 143 +++++  
 pyme-web/doc/gpgme/Crypto-Engine.html | 79 +++  
 pyme-web/doc/gpgme/Crypto-Operations.html | 67 ++  
 .../doc/gpgme/Cryptographic-Message-Syntax.html | 42 ++  
 .../doc/gpgme/Data-Buffer-I\_002fO-Operations.html | 104 +++++  
 pyme-web/doc/gpgme/Data-Buffer-Meta\_002dData.html | 100 +++  
 pyme-web/doc/gpgme/Decrypt-and-Verify.html | 79 +++  
 pyme-web/doc/gpgme/Decrypt.html | 123 ++++  
 pyme-web/doc/gpgme/Deleting-Keys.html | 67 ++  
 pyme-web/doc/gpgme/Destroying-Contexts.html  
 | 46 ++  
 pyme-web/doc/gpgme/Destroying-Data-Buffers.html | 70 +++  
 pyme-web/doc/gpgme/Encrypt.html | 45 ++  
 pyme-web/doc/gpgme/Encrypting-a-Plaintext.html | 147 ++++++  
 pyme-web/doc/gpgme/Engine-Configuration.html | 65 ++  
 pyme-web/doc/gpgme/Engine-Information.html | 119 +++++  
 pyme-web/doc/gpgme/Engine-Version-Check.html | 48 ++  
 pyme-web/doc/gpgme/Error-Codes.html | 133 ++++  
 pyme-web/doc/gpgme/Error-Handling.html | 72 +++  
 pyme-web/doc/gpgme/Error-Sources.html | 89 +++  
 pyme-web/doc/gpgme/Error-Strings.html | 80 +++  
 pyme-web/doc/gpgme/Error-Values.html | 159 ++++++  
 pyme-web/doc/gpgme/Exchanging-Data.html | 58 ++  
 pyme-web/doc/gpgme/Exporting-Keys.html | 101 +++  
 pyme-web/doc/gpgme/Features.html | 59 ++  
 pyme-web/doc/gpgme/File-Based-Data-Buffers.html | 74 +++  
 pyme-web/doc/gpgme/Function-and-Data-Index.html  
 | 380 ++++++  
 pyme-web/doc/gpgme/Generating-Keys.html | 144 ++++++  
 pyme-web/doc/gpgme/Getting-Started.html | 55 ++  
 pyme-web/doc/gpgme/Hash-Algorithms.html | 59 ++  
 pyme-web/doc/gpgme/Header.html | 53 ++  
 .../doc/gpgme/I\_002fO-Callback-Example-GDK.html | 85 +++  
 .../gpgme/I\_002fO-Callback-Example-GTK\_002b.html | 86 +++  
 .../doc/gpgme/I\_002fO-Callback-Example-Qt.html | 99 +++

pyme-web/doc/gpgme/I\_002fO-Callback-Example.html | 259 ++++++++  
 pyme-web/doc/gpgme/I\_002fO-Callback-Interface.html | 142 ++++++  
 pyme-web/doc/gpgme/Importing-Keys.html | 171 ++++++  
 pyme-web/doc/gpgme/Included-Certificates.html | 70 +++  
 pyme-web/doc/gpgme/Information-About-Keys.html | 207 ++++++++  
 ../doc/gpgme/Information-About-Trust-Items.html | 75 +++  
 pyme-web/doc/gpgme/Introduction.html | 53 ++  
 pyme-web/doc/gpgme/Key-Listing-Mode.html | 99 +++  
 pyme-web/doc/gpgme/Key-Management.html  
 | 260 ++++++++  
 pyme-web/doc/gpgme/Key-Signatures.html | 130 +++++  
 ../doc/gpgme/Largefile-Support-\_0028LFS\_0029.html | 110 ++++++  
 pyme-web/doc/gpgme/Library-Copying.html | 542 ++++++++  
 pyme-web/doc/gpgme/Library-Version-Check.html | 97 +++  
 pyme-web/doc/gpgme/Listing-Keys.html | 204 ++++++  
 pyme-web/doc/gpgme/Listing-Trust-Items.html | 88 +++  
 pyme-web/doc/gpgme/Locale.html | 69 +++  
 pyme-web/doc/gpgme/Manipulating-Data-Buffers.html | 45 ++  
 pyme-web/doc/gpgme/Manipulating-Keys.html | 63 ++  
 pyme-web/doc/gpgme/Manipulating-Trust-Items.html | 62 ++  
 pyme-web/doc/gpgme/Memory-Based-Data-Buffers.html | 107 ++++++  
 pyme-web/doc/gpgme/Multi-Threading.html | 93 +++  
 pyme-web/doc/gpgme/OpenPGP.html | 44 ++  
 pyme-web/doc/gpgme/Overview.html | 57 ++  
 pyme-web/doc/gpgme/Passphrase-Callback.html | 101 +++  
 pyme-web/doc/gpgme/Preparation.html  
 | 54 ++  
 pyme-web/doc/gpgme/Progress-Meter-Callback.html | 80 +++  
 pyme-web/doc/gpgme/Protocol-Selection.html | 60 ++  
 pyme-web/doc/gpgme/Protocols-and-Engines.html | 82 +++  
 pyme-web/doc/gpgme/Public-Key-Algorithms.html | 74 +++  
 ../doc/gpgme/Registering-I\_002fO-Callbacks.html | 81 +++  
 pyme-web/doc/gpgme/Run-Control.html | 53 ++  
 pyme-web/doc/gpgme/Selecting-Signers.html | 64 ++  
 pyme-web/doc/gpgme/Sign.html | 50 ++  
 pyme-web/doc/gpgme/Signal-Handling.html | 61 ++  
 pyme-web/doc/gpgme/Signature-Notation-Data.html | 85 +++  
 pyme-web/doc/gpgme/Text-Mode.html | 63 ++  
 pyme-web/doc/gpgme/Trust-Item-Management.html | 68 ++  
 pyme-web/doc/gpgme/Using-Automake.html | 74 +++  
 pyme-web/doc/gpgme/Using-External-Event-Loops.html | 74 +++  
 pyme-web/doc/gpgme/Using-Libtool.html | 44 ++  
 pyme-web/doc/gpgme/Verify.html  
 | 492 ++++++++  
 pyme-web/doc/gpgme/Waiting-For-Completion.html | 77 +++  
 pyme-web/doc/gpgme/gpgme.html | 251 -----  
 pyme-web/doc/gpgme/gpgme\_1.html | 76 ---  
 pyme-web/doc/gpgme/gpgme\_10.html | 61 --

|                                  |           |
|----------------------------------|-----------|
| pyme-web/doc/gpgme/gpgme_11.html | 130 ----  |
| pyme-web/doc/gpgme/gpgme_12.html | 82 ---    |
| pyme-web/doc/gpgme/gpgme_13.html | 130 ----  |
| pyme-web/doc/gpgme/gpgme_14.html | 108 ----  |
| pyme-web/doc/gpgme/gpgme_15.html | 69 ---    |
| pyme-web/doc/gpgme/gpgme_16.html | 169 ----- |
| pyme-web/doc/gpgme/gpgme_17.html | 63 --     |
| pyme-web/doc/gpgme/gpgme_18.html | 63 --     |
| pyme-web/doc/gpgme/gpgme_19.html | 66 --     |
| pyme-web/doc/gpgme/gpgme_2.html  | 79 ---    |
| pyme-web/doc/gpgme/gpgme_20.html | 120 ----  |
| pyme-web/doc/gpgme/gpgme_21.html | 102 ---   |
| pyme-web/doc/gpgme/gpgme_22.html | 108 ----  |
| pyme-web/doc/gpgme/gpgme_23.html | 237 ----- |
| pyme-web/doc/gpgme/gpgme_24.html | 154 ----- |
| pyme-web/doc/gpgme/gpgme_25.html | 248 ----- |
| pyme-web/doc/gpgme/gpgme_26.html | 107 ----  |
| pyme-web/doc/gpgme/gpgme_27.html | 80 ---    |
| pyme-web/doc/gpgme/gpgme_28.html | 67 --     |
| pyme-web/doc/gpgme/gpgme_29.html | 164 ----- |
| pyme-web/doc/gpgme/gpgme_3.html  | 86 ---    |
| pyme-web/doc/gpgme/gpgme_30.html | 106 ----  |
| pyme-web/doc/gpgme/gpgme_31.html | 232 ----- |
| pyme-web/doc/gpgme/gpgme_32.html | 85 ---    |
| pyme-web/doc/gpgme/gpgme_33.html | 223 ----- |
| pyme-web/doc/gpgme/gpgme_34.html | 83 ---    |
| pyme-web/doc/gpgme/gpgme_35.html | 70 ---    |
| pyme-web/doc/gpgme/gpgme_36.html | 63 --     |
| pyme-web/doc/gpgme/gpgme_37.html | 66 --     |
| pyme-web/doc/gpgme/gpgme_38.html | 86 ---    |
| pyme-web/doc/gpgme/gpgme_39.html | 79 ---    |
| pyme-web/doc/gpgme/gpgme_4.html  | 83 ---    |
| pyme-web/doc/gpgme/gpgme_40.html | 89 ---    |
| pyme-web/doc/gpgme/gpgme_41.html | 99 ---    |
| pyme-web/doc/gpgme/gpgme_42.html | 144 ----- |
| pyme-web/doc/gpgme/gpgme_43.html | 152 ----- |
| pyme-web/doc/gpgme/gpgme_44.html | 112 ----  |
| pyme-web/doc/gpgme/gpgme_45.html | 101 ---   |
| pyme-web/doc/gpgme/gpgme_46.html | 459 ----- |
| pyme-web/doc/gpgme/gpgme_47.html | 292 ----- |
| pyme-web/doc/gpgme/gpgme_48.html | 363 ----- |
| pyme-web/doc/gpgme/gpgme_49.html | 209 ----- |
| pyme-web/doc/gpgme/gpgme_5.html  | 74 ---    |
| pyme-web/doc/gpgme/gpgme_50.html | 88 ---    |
| pyme-web/doc/gpgme/gpgme_51.html | 208 ----- |

```

pyme-web/doc/gpgme/gpgme_52.html | 154 ----
pyme-web/doc/gpgme/gpgme_53.html | 291 -----
pyme-web/doc/gpgme/gpgme_54.html | 91 ---
pyme-web/doc/gpgme/gpgme_55.html | 107 ----
pyme-web/doc/gpgme/gpgme_56.html | 140 ----
pyme-web/doc/gpgme/gpgme_57.html | 106 ----
pyme-web/doc/gpgme/gpgme_58.html | 89 ---
pyme-web/doc/gpgme/gpgme_59.html | 97 ---
pyme-web/doc/gpgme/gpgme_6.html | 77 ---
pyme-web/doc/gpgme/gpgme_60.html | 142 ----
pyme-web/doc/gpgme/gpgme_61.html | 626 -----
pyme-web/doc/gpgme/gpgme_62.html | 107 ----
pyme-web/doc/gpgme/gpgme_63.html | 67 --
pyme-web/doc/gpgme/gpgme_64.html |
 | 95 ---
pyme-web/doc/gpgme/gpgme_65.html | 233 -----
pyme-web/doc/gpgme/gpgme_66.html | 65 --
pyme-web/doc/gpgme/gpgme_67.html | 220 -----
pyme-web/doc/gpgme/gpgme_68.html | 75 ---
pyme-web/doc/gpgme/gpgme_69.html | 119 ----
pyme-web/doc/gpgme/gpgme_7.html | 123 ----
pyme-web/doc/gpgme/gpgme_70.html | 107 ----
pyme-web/doc/gpgme/gpgme_71.html | 218 -----
pyme-web/doc/gpgme/gpgme_72.html | 134 ----
pyme-web/doc/gpgme/gpgme_73.html | 299 -----
pyme-web/doc/gpgme/gpgme_74.html | 103 ----
pyme-web/doc/gpgme/gpgme_75.html | 104 ----
pyme-web/doc/gpgme/gpgme_76.html | 118 ----
pyme-web/doc/gpgme/gpgme_77.html | 95 ---
pyme-web/doc/gpgme/gpgme_78.html | 71 ---
pyme-web/doc/gpgme/gpgme_79.html | 686 -----
pyme-web/doc/gpgme/gpgme_8.html | 155 ----
pyme-web/doc/gpgme/gpgme_80.html | 120 ----
pyme-web/doc/gpgme/gpgme_81.html | 278 -----
pyme-web/doc/gpgme/gpgme_82.html | 272 -----
pyme-web/doc/gpgme/gpgme_83.html | 180 -----
pyme-web/doc/gpgme/gpgme_84.html | 99 ---
pyme-web/doc/gpgme/gpgme_9.html | 104 ----
pyme-web/doc/gpgme/gpgme_abt.html | 206 -----
pyme-web/doc/gpgme/gpgme_fot.html | 53 --
pyme-web/doc/gpgme/gpgme_ovr.html | 68 --
pyme-web/doc/gpgme/gpgme_toc.html | 247 -----
pyme-web/doc/gpgme/index.html | 497 ++++++-----
176 files changed, 9054 insertions(+), 13378 deletions(-)

```

commit 163c1053dc761682f5a4231da163bdd0ff7162d7

Author: belyi <devnull@localhost>

Date:

Tue Apr 1 21:14:29 2008 +0000

Update Home page to be a bit more visitor friendly.

```
pyme-web/Makefile | 2 +-
pyme-web/default.css | 27 ++++++
pyme-web/index.html | 70 ++++++-----
3 files changed, 75 insertions(+), 24 deletions(-)
```

commit 05db2d17d8fda0ab8c948bbdc0643dfc1466830d

Author: belyi <devnull@localhost>

Date: Sun Mar 30 21:27:38 2008 +0000

Add a rule to build binary distribution for Windows.

```
pyme/Makefile | 16 ++++++
1 file changed, 14 insertions(+), 2 deletions(-)
```

commit 57acb1089f5f8c24323ee62fc0a7f492a496b9c0

Author: belyi <devnull@localhost>

Date: Sat Mar 29 22:50:11 2008 +0000

Switch to using central location for python files (pycentral)

Update docs rule to fix location of the python source files.

```
pyme/Makefile | 5 +++-
pyme/debian/changelog | 4 +-
pyme/debian/control | 74 +++++-----
pyme/debian/dirs
| 2 --
pyme/debian/docs | 1 +
pyme/debian/postinst.ex | 48 -----
pyme/debian/postrm.ex | 38 -----
pyme/debian/preinst.ex | 44 -----
pyme/debian/prerm.ex | 39 -----
pyme/debian/rules | 50 +++++-----
pyme/debian/setup.cfg-2.2 | 8 ----
pyme/debian/setup.cfg-2.3 | 8 ----
pyme/debian/setup.cfg-2.4 | 8 ----
pyme/gpgme-h-clean.py | 2 +-
pyme/pyme/core.py | 2 +-
pyme/pyme/util.py | 2 +-
16 files changed, 28 insertions(+), 307 deletions(-)
```

commit 2b56fd10517cfbcffaa4ba98d8ea42f40f0d38a9

Author: belyi <devnull@localhost>

Date: Sun Mar 23 02:01:12 2008 +0000

Turn SWIG's autodoc feature on. Ignore 'next' in the types which are lists now.  
Use new style for class declarations. Specify None as a default value for  
core.check\_version() method. Update version.py for 0.8.0 version.

```
pyme/examples/pygpa.py | 2 +-
pyme/gpgme.i | 5 +++++
pyme/pyme/core.py | 2 +-
pyme/pyme/util.py | 5 +++-
pyme/pyme/version.py | 6 +++-
5 files changed, 13 insertions(+), 7 deletions(-)
```

```
commit df5e25d7ee4dc0aa0d429f9d009322dd8ac33bb8
Author: belyi <devnull@localhost>
Date: Thu Mar 20 19:07:00 2008 +0000
```

Improve matching for DEPRECATED typedefs

```
pyme/gpgme-h-clean.py | 4 +++-
1 file changed, 2 insertions(+), 2 deletions(-)
```

```
commit 78d8fc732848ac267ec65e9069265cd500587cdf
Author: belyi <devnull@localhost>
Date: Wed Mar 19 19:28:40 2008 +0000
```

Update API to use list when types containing 'next' field are return.  
Update examples accordingly  
Add verifydetails.py example  
Start adding bullets for 0.8.0 version.

```
pyme/Makefile | 2 +-
pyme/debian/changelog | 14 +++++++-
pyme/examples/PyGtkGpgKeys.py | 53 ++++++++-----
pyme/examples/delkey.py | 7 +++-
pyme/examples/encrypt-to-all.py | 7 +++-
pyme/examples/exportimport.py | 7 +++-
pyme/examples/pygpa.py | 70 ++++++++-----
pyme/examples/signverify.py | 11 +++-
pyme/examples/verifydetails.py | 79 ++++++++-----
pyme/gpgme.i | 19 +++++++-
10 files changed, 180 insertions(+), 89 deletions(-)
```

```
commit 342d85b07475e7360bcd62804bf5facda039494f
Author: belyi <devnull@localhost>
Date: Mon Mar 10 01:14:16 2008 +0000
```

Change references to source files so that they point to the WebCVS browse  
location.



```

pyme-web/doc/pyme/index.html | 2 +-
pyme-web/doc/pyme/pyme.callbacks.html | 2 +-
pyme-web/doc/pyme/pyme.constants.data.encoding.html | 2 +-
pyme-web/doc/pyme/pyme.constants.data.html | 2 +-
pyme-web/doc/pyme/pyme.constants.event.html | 2 +-
pyme-web/doc/pyme/pyme.constants.html | 2 +-
pyme-web/doc/pyme/pyme.constants.import.html | 2 +-
pyme-web/doc/pyme/pyme.constants.keylist.html
| 2 +-
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 2 +-
pyme-web/doc/pyme/pyme.constants.md.html | 2 +-
pyme-web/doc/pyme/pyme.constants.pk.html | 2 +-
pyme-web/doc/pyme/pyme.constants.protocol.html | 2 +-
pyme-web/doc/pyme/pyme.constants.sig.html | 2 +-
pyme-web/doc/pyme/pyme.constants.sig.mode.html | 2 +-
pyme-web/doc/pyme/pyme.constants.sigsum.html | 2 +-
pyme-web/doc/pyme/pyme.constants.status.html | 2 +-
pyme-web/doc/pyme/pyme.constants.validity.html | 2 +-
pyme-web/doc/pyme/pyme.core.html | 2 +-
pyme-web/doc/pyme/pyme.errors.html | 2 +-
pyme-web/doc/pyme/pyme.html | 2 +-
pyme-web/doc/pyme/pyme.util.html | 2 +-
pyme-web/doc/pyme/pyme.version.html | 2 +-
22 files changed, 22 insertions(+), 22 deletions(-)

```

commit 4139dd1d066c1a6c892d84fe45dc3e6c4aa1b803

Author: belyi

<devnull@localhost>

Date: Sat Mar 8 18:21:08 2008 +0000

Add core.check\_version(None) to all examples since this function is used by Gpgme to do internal initialization. Update debian/rules to use dh\_pysupport instead of deprecated dh\_python.

```

pyme/debian/rules | 8 +++-----
pyme/examples/PyGtkGpgKeys.py | 7 ++++++-
pyme/examples/delkey.py | 2 ++
pyme/examples/encrypt-to-all.py | 3 +++
pyme/examples/exportimport.py | 2 ++
pyme/examples/genkey.py | 1 +
pyme/examples/inter-edit.py | 3 +++
pyme/examples/pygpa.py | 5 +++++
pyme/examples/sign.py | 2 ++
pyme/examples/signverify.py | 2 ++
pyme/examples/simple.py | 2 ++
pyme/examples/t-edit.py | 3 +++
12 files changed, 34 insertions(+), 6 deletions(-)

```

commit ae76c6176457dd38e0634cbc17d794294a3a81d2

Author: belyi <devnull@localhost>

Date: Wed Apr 12 22:20:38 2006 +0000

Change name of internal package name from 'gpgme' to 'pygpgme' to avoid conflict with gpgme.dll on Windows.

Fix build with SWIG 1.3.28.

Change version to 0.7.1 in a preparation for new release.

```
pyme/Makefile | 3 +-
pyme/debian/changelog | 12 +++++
pyme/gpgme.i | 19 +++---
pyme/pyme/callbacks.py | 1 -
pyme/pyme/core.py | 153 ++++++-----
pyme/pyme/errors.py | 12 ++--
pyme/pyme/util.py | 10 ++--
pyme/pyme/version.py | 2 +-
pyme/setup.py | 4 +-
9 files changed, 116 insertions(+), 100 deletions(-)
```

commit d644383a76e9f83bc2d426628319e3c4a989dc2d

Author: belyi <devnull@localhost>

Date: Sat Dec 17 01:34:53 2005 +0000

Put all constants into pyme.constants package to avoid stepping on python reserved words.

Add build rules for Mingw32 and Cygwin on Windows. Rules for Mingw under Debian are still to come.

Fixed a small bug in pygpa.py example.

```
pyme/Makefile | 11 ++++++---
pyme/examples/pygpa.py
| 3 +-
pyme/pyme/__init__.py | 2 +-
pyme/pyme/constants/__init__.py | 3 +++
pyme/setup.py | 42 ++++++-----
5 files changed, 51 insertions(+), 10 deletions(-)
```

commit 89eb370fcaa8adc9d219eadbaa579dde7bf06329

Author: belyi <devnull@localhost>

Date: Mon Aug 1 03:08:32 2005 +0000

Imported changes provided by Joost van Baal:

Use dh\_python in debian/rules and change the Section pyme belongs to from 'libs' to 'python'.

```
pyme/debian/control | 6 +++---
```

pyme/debian/rules | 2 ++  
2 files changed, 5 insertions(+), 3 deletions(-)

commit ad76d10c2a77b45b7459c62131279e946b860891

Author: belyi <devnull@localhost>

Date: Fri Jun 10 03:01:22 2005 +0000

Update 'docs' rule in Makefile to build packages first to ensure that documentation is build for the current version of pyme and not for the installed one.

Added 'callbacks' into the list of visible pyme modules (\_\_all\_\_ var.)

Slightly updated INSTALL file.

pyme/INSTALL | 11 ++++++----  
pyme/Makefile | 4 +++-  
pyme/pyme/\_\_init\_\_.py | 2 +-  
3 files changed, 11 insertions(+), 6 deletions(-)

commit 2fe1a81e00721698bfa6850b3db2eb85e43d1724

Author: belyi <devnull@localhost>

Date: Wed Jun 8 16:16:18 2005 +0000

Update pyme documentation to remove dead links to pyme.gpgme.html and pyme.\_gpgme.html

Added reference to the installed GPGME and PyMe documentation to the head web page.

Updated Makefile to install all \*.html files and to clean \*~ files in all subdirectories

pyme-web/Makefile | 10 ++++++----  
pyme-web/doc/pyme/index.html | 8 +++-----  
pyme-web/doc/pyme/pyme.callbacks.html | 8 -----  
pyme-web/doc/pyme/pyme.core.html | 1 -  
pyme-web/doc/pyme/pyme.errors.html | 8 -----  
pyme-web/doc/pyme/pyme.html | 8 +++-----  
pyme-web/doc/pyme/pyme.util.html | 8 -----  
pyme-web/index.html | 9 ++++++----  
8 files

changed, 19 insertions(+), 41 deletions(-)

commit 6aa34cce4ea0099e50b4936dfce59778157b8ca8

Author: belyi <devnull@localhost>

Date: Wed Jun 8 15:18:20 2005 +0000

Added pyme and gpgme documentation.

|                                  |              |
|----------------------------------|--------------|
| pyme-web/doc/gpgme/gpgme.html    | 251 ++++++++ |
| pyme-web/doc/gpgme/gpgme_1.html  | 76 +++       |
| pyme-web/doc/gpgme/gpgme_10.html | 61 ++        |
| pyme-web/doc/gpgme/gpgme_11.html | 130 +++++    |
| pyme-web/doc/gpgme/gpgme_12.html | 82 +++       |
| pyme-web/doc/gpgme/gpgme_13.html | 130 +++++    |
| pyme-web/doc/gpgme/gpgme_14.html | 108 +++++    |
| pyme-web/doc/gpgme/gpgme_15.html | 69 +++       |
| pyme-web/doc/gpgme/gpgme_16.html | 169 ++++++   |
| pyme-web/doc/gpgme/gpgme_17.html | 63 ++        |
| pyme-web/doc/gpgme/gpgme_18.html | 63 ++        |
| pyme-web/doc/gpgme/gpgme_19.html | 66 ++        |
| pyme-web/doc/gpgme/gpgme_2.html  | 79 +++       |
| pyme-web/doc/gpgme/gpgme_20.html | 120 +++++    |
| pyme-web/doc/gpgme/gpgme_21.html | 102 +++      |
| pyme-web/doc/gpgme/gpgme_22.html | 108 +++++    |
| pyme-web/doc/gpgme/gpgme_23.html | 237 ++++++++ |
| pyme-web/doc/gpgme/gpgme_24.html | 154 ++++++   |
| pyme-web/doc/gpgme/gpgme_25.html | 248 ++++++++ |
| pyme-web/doc/gpgme/gpgme_26.html | 107 +++++    |
| pyme-web/doc/gpgme/gpgme_27.html | 80 +++       |
| pyme-web/doc/gpgme/gpgme_28.html | 67 ++        |
| pyme-web/doc/gpgme/gpgme_29.html | 164 ++++++   |
| pyme-web/doc/gpgme/gpgme_3.html  | 86 +++       |
| pyme-web/doc/gpgme/gpgme_30.html | 106 +++++    |
| pyme-web/doc/gpgme/gpgme_31.html | 232 ++++++++ |
| pyme-web/doc/gpgme/gpgme_32.html | 85 +++       |
| pyme-web/doc/gpgme/gpgme_33.html | 223 ++++++++ |
| pyme-web/doc/gpgme/gpgme_34.html | 83 +++       |
| pyme-web/doc/gpgme/gpgme_35.html | 70 +++       |
| pyme-web/doc/gpgme/gpgme_36.html | 63 ++        |
| pyme-web/doc/gpgme/gpgme_37.html | 66 ++        |
| pyme-web/doc/gpgme/gpgme_38.html | 86 +++       |
| pyme-web/doc/gpgme/gpgme_39.html | 79 +++       |
| pyme-web/doc/gpgme/gpgme_4.html  | 83 +++       |
| pyme-web/doc/gpgme/gpgme_40.html | 89 +++       |
| pyme-web/doc/gpgme/gpgme_41.html | 99 +++       |
| pyme-web/doc/gpgme/gpgme_42.html | 144 ++++++   |
| pyme-web/doc/gpgme/gpgme_43.html | 152 ++++++   |
| pyme-web/doc/gpgme/gpgme_44.html | 112 +++++    |
| pyme-web/doc/gpgme/gpgme_45.html | 101 +++      |
| pyme-web/doc/gpgme/gpgme_46.html | 459 ++++++++ |
| pyme-web/doc/gpgme/gpgme_47.html | 292 ++++++++ |
| pyme-web/doc/gpgme/gpgme_48.html | 363 ++++++++ |
| pyme-web/doc/gpgme/gpgme_49.html |              |

| 209 ++++++

|                                  |            |
|----------------------------------|------------|
| pyme-web/doc/gpgme/gpgme_5.html  | 74 +++     |
| pyme-web/doc/gpgme/gpgme_50.html | 88 +++     |
| pyme-web/doc/gpgme/gpgme_51.html | 208 ++++++ |
| pyme-web/doc/gpgme/gpgme_52.html | 154 +++++  |
| pyme-web/doc/gpgme/gpgme_53.html | 291 ++++++ |
| pyme-web/doc/gpgme/gpgme_54.html | 91 +++     |
| pyme-web/doc/gpgme/gpgme_55.html | 107 +++++  |
| pyme-web/doc/gpgme/gpgme_56.html | 140 +++++  |
| pyme-web/doc/gpgme/gpgme_57.html | 106 +++++  |
| pyme-web/doc/gpgme/gpgme_58.html | 89 +++     |
| pyme-web/doc/gpgme/gpgme_59.html | 97 +++     |
| pyme-web/doc/gpgme/gpgme_6.html  | 77 +++     |
| pyme-web/doc/gpgme/gpgme_60.html | 142 +++++  |
| pyme-web/doc/gpgme/gpgme_61.html | 626 ++++++ |
| pyme-web/doc/gpgme/gpgme_62.html |            |

| 107 +++++

|                                  |            |
|----------------------------------|------------|
| pyme-web/doc/gpgme/gpgme_63.html | 67 ++      |
| pyme-web/doc/gpgme/gpgme_64.html | 95 +++     |
| pyme-web/doc/gpgme/gpgme_65.html | 233 ++++++ |
| pyme-web/doc/gpgme/gpgme_66.html | 65 ++      |
| pyme-web/doc/gpgme/gpgme_67.html | 220 ++++++ |
| pyme-web/doc/gpgme/gpgme_68.html | 75 +++     |
| pyme-web/doc/gpgme/gpgme_69.html | 119 +++++  |
| pyme-web/doc/gpgme/gpgme_7.html  | 123 +++++  |
| pyme-web/doc/gpgme/gpgme_70.html | 107 +++++  |
| pyme-web/doc/gpgme/gpgme_71.html | 218 ++++++ |
| pyme-web/doc/gpgme/gpgme_72.html | 134 +++++  |
| pyme-web/doc/gpgme/gpgme_73.html | 299 ++++++ |
| pyme-web/doc/gpgme/gpgme_74.html | 103 +++++  |
| pyme-web/doc/gpgme/gpgme_75.html | 104 +++++  |
| pyme-web/doc/gpgme/gpgme_76.html | 118 +++++  |
| pyme-web/doc/gpgme/gpgme_77.html |            |

| 95 +++

|                                   |            |
|-----------------------------------|------------|
| pyme-web/doc/gpgme/gpgme_78.html  | 71 +++     |
| pyme-web/doc/gpgme/gpgme_79.html  | 686 ++++++ |
| pyme-web/doc/gpgme/gpgme_8.html   | 155 +++++  |
| pyme-web/doc/gpgme/gpgme_80.html  | 120 +++++  |
| pyme-web/doc/gpgme/gpgme_81.html  | 278 ++++++ |
| pyme-web/doc/gpgme/gpgme_82.html  | 272 ++++++ |
| pyme-web/doc/gpgme/gpgme_83.html  | 180 +++++  |
| pyme-web/doc/gpgme/gpgme_84.html  | 99 +++     |
| pyme-web/doc/gpgme/gpgme_9.html   | 104 +++++  |
| pyme-web/doc/gpgme/gpgme_abt.html | 206 ++++++ |
| pyme-web/doc/gpgme/gpgme_fot.html | 53 ++      |
| pyme-web/doc/gpgme/gpgme_ovr.html | 68 ++      |
| pyme-web/doc/gpgme/gpgme_toc.html | 247 ++++++ |
| pyme-web/doc/gpgme/index.html     | 251 ++++++ |

```
pyme-web/doc/pyme/index.html
 | 166 ++++++
pyme-web/doc/pyme/pyme.callbacks.html | 50 ++
.../doc/pyme/pyme.constants.data.encoding.html | 48 ++
pyme-web/doc/pyme/pyme.constants.data.html | 29 +
pyme-web/doc/pyme/pyme.constants.event.html | 48 ++
pyme-web/doc/pyme/pyme.constants.html | 39 ++
pyme-web/doc/pyme/pyme.constants.import.html | 49 ++
pyme-web/doc/pyme/pyme.constants.keylist.html | 29 +
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 48 ++
pyme-web/doc/pyme/pyme.constants.md.html | 58 ++
pyme-web/doc/pyme/pyme.constants.pk.html | 50 ++
pyme-web/doc/pyme/pyme.constants.protocol.html | 46 ++
pyme-web/doc/pyme/pyme.constants.sig.html | 29 +
pyme-web/doc/pyme/pyme.constants.sig.mode.html | 47 ++
pyme-web/doc/pyme/pyme.constants.sigsum.html | 55 ++
pyme-web/doc/pyme/pyme.constants.status.html | 117 +++++
pyme-web/doc/pyme/pyme.constants.validity.html | 50 ++
pyme-web/doc/pyme/pyme.core.html
 | 254 ++++++++
pyme-web/doc/pyme/pyme.errors.html | 90 +++
pyme-web/doc/pyme/pyme.html | 166 ++++++
pyme-web/doc/pyme/pyme.util.html | 78 +++
pyme-web/doc/pyme/pyme.version.html | 37 ++
pyme-web/index.html | 6 +-
113 files changed, 14966 insertions(+), 1 deletion(-)
```

commit 2d6fe54479f042644f7b0f3d2fe35877d2056144

Author: belyi <devnull@localhost>

Date: Thu May 19 02:06:09 2005 +0000

Added INSTALL file.

```
pyme/INSTALL | 10 ++++++++
```

1 file changed, 10 insertions(+)

commit d6892fff0c3cedf41dba4c25ab8608e7f2bc039c

Author: belyi <devnull@localhost>

Date: Tue May 17 16:49:28 2005 +0000

Update copyright note on simple.py

```
pyme/examples/simple.py | 4 +---
```

1 file changed, 2 insertions(+), 2 deletions(-)

commit c2cd9cdf5995843aad7b200b929db2969effc9d2

Author: belyi <devnull@localhost>

Date: Tue May 17 15:03:58 2005

+0000

Update simple.py to catch errors.

pyme/examples/simple.py | 17 ++++++++-----  
1 file changed, 11 insertions(+), 6 deletions(-)

commit eaedae7c6a0ea993caab067efe781a59b6769c44  
Author: belyi <devnull@localhost>  
Date: Tue May 17 01:18:23 2005 +0000

Added 'PYTHON = python' into Makefile for bug #1199122

pyme/Makefile | 1 +  
pyme/examples/signverify.py | 1 +  
2 files changed, 2 insertions(+)

commit 56fd244bb2636a4d58629899ea3cde1d96428198  
Author: belyi <devnull@localhost>  
Date: Wed Apr 27 21:37:06 2005 +0000

Added pygpa example.

pyme/debian/changelog | 3 +-  
pyme/examples/pygpa.glade | 5546 +++++  
pyme/examples/pygpa.py | 1459 +++++  
3 files changed, 7007 insertions(+), 1 deletion(-)

commit 2d9a2a91a59ac3fee5410c953b7e0859e9e7cd35  
Author: belyi <devnull@localhost>  
Date: Thu Apr 21 15:17:51 2005 +0000

Change version to 0.7.0 due to the change in license.

pyme/debian/changelog  
| 2 +-  
pyme/pyme/version.py | 2 +-  
2 files changed, 2 insertions(+), 2 deletions(-)

commit 94e34e38d742f145385bd235825b6ba1e30d8339  
Author: belyi <devnull@localhost>  
Date: Thu Apr 21 03:53:12 2005 +0000

Changed license on PyMe from GPL to LGPL.  
PyMe examples keep GPL license.

pyme/COPYING.LESSER | 510 +++++  
pyme/Makefile | 20 +-  
2 files changed, 530 insertions(+), 1 deletion(-)

```
pyme/debian/changelog | 4 +-
pyme/debian/copyright | 22 +-
pyme/gpgme-h-clean.py | 16 ++
pyme/gpgme.i | 20 +-
pyme/helpers.c | 20 +-
pyme/helpers.h | 20 +-
pyme/pyme/__init__.py | 20 +-
pyme/pyme/callbacks.py | 20 +-
pyme/pyme/constants/data/encoding.py | 20 +-
pyme/pyme/constants/event.py | 20 +-
pyme/pyme/constants/import.py | 20 +-
pyme/pyme/constants/keylist/mode.py | 20 +-
pyme/pyme/constants/md.py
 | 20 +-
pyme/pyme/constants/pk.py | 20 +-
pyme/pyme/constants/protocol.py | 20 +-
pyme/pyme/constants/sig/mode.py | 20 +-
pyme/pyme/constants/sigsum.py | 20 +-
pyme/pyme/constants/status.py | 20 +-
pyme/pyme/constants/validity.py | 20 +-
pyme/pyme/core.py | 20 +-
pyme/pyme/errors.py | 20 +-
pyme/pyme/util.py | 20 +-
pyme/pyme/version.py | 22 +-
pyme/setup.py | 20 +-
26 files changed, 761 insertions(+), 233 deletions(-)
```

commit 0d8aa0f6335cb1506a37085095ed45173b099a02

Author: belyi <devnull@localhost>

Date: Tue Apr 19 01:46:06 2005 +0000

Added `__hash__` and `__eq__` methods to `GpgmeWrapper` to allow both `Context()` and `Data()` to be used as a dictionary key.

Changed `core.wait()` function to always return a tuple. On timeout now it returns `(0, None)` instead of just `None`. Plus, return context is

now a

`Context()` object instead of a wrapper return by underlying `gpgme`.

```
pyme/helpers.c | 1 -
pyme/pyme/core.py | 25 ++++++++-----
pyme/pyme/util.py | 9 ++++++++
3 files changed, 24 insertions(+), 11 deletions(-)
```

commit 63ff6d10637be1dcbcd78c939ac1ef1ac30b1024

Author: belyi <devnull@localhost>

Date: Wed Apr 6 04:58:40 2005 +0000

Made hook parameter optional in `passphrase_cb` and `progress_cb`.



Allowed None for callbacks to unset ones set previously.  
Removed cleanup of exception in callbacks - now just retrieve the error code.  
Added prev\_bad parameter in passphrase\_cb since it can be used in  
change password protocols.  
Updated examples to follow new sets of arguments in callbacks  
Updated op\_edit to check if passed key is None (otherwise gpgme dumps core)  
God rid of annoying warning "function declaration isn't a prototype" in  
helpers.c and helpers.h by changing from () to (void) list of arguments.

```
pyme/debian/changelog | 10 +++++---
pyme/examples/signverify.py | 2 +-
pyme/examples/t-edit.py | 2 +-
pyme/gpgme.i | 18 ++++++-----
pyme/helpers.c | 60 ++++++-----
pyme/helpers.h | 4 +-
pyme/pyme/callbacks.py | 6 +++-
pyme/pyme/core.py | 47 ++++++-----
pyme/pyme/errors.py | 2 +-
9 files changed, 96 insertions(+), 55 deletions(-)
```

commit 8f0ab8138c7aa190936376ccbbf33bb09c64d6f1

Author: belyi <devnull@localhost>

Date: Thu Mar 31 23:50:59 2005 +0000

Added exception handling in passphrase\_cb and edit\_cb. If GPGMEEError  
exception is thrown in those callbacks it will be converted into its  
core representation and return as an error code to the caller.  
On all other exceptions error code will be GPG\_ERR\_GENERAL.

```
pyme/Makefile | 1 +
pyme/debian/changelog | 8 ++++++
pyme/gpgme.i | 20 ++++++-----
pyme/helpers.c | 51
+++++-----
pyme/helpers.h | 3 +++
5 files changed, 71 insertions(+), 12 deletions(-)
```

commit 9903d1fb11231e7e3d920e58d1ecb674c5988b07

Author: belyi <devnull@localhost>

Date: Thu Mar 31 05:12:15 2005 +0000

Remove workaround from Context.wait() method since the bug report and  
patch fixing gpgme\_wait's behavior is sent to GPMGE developers already.  
Added errorcheck into op\_edit() so that it can report an error.

```
pyme/pyme/core.py | 10 +++++-----
1 file changed, 5 insertions(+), 5 deletions(-)
```

commit 45e8a5f4e13d3ca797ec3b0037242874a6be5562

Author: belyi <devnull@localhost>

Date: Sat Mar 26 19:44:18 2005 +0000

Updated version number to 0.6.2 in version.py  
Added examples/\*.glade files into documentation package.

pyme/debian/examples | 1 +  
pyme/pyme/version.py | 2 +-  
2 files changed, 2 insertions(+), 1 deletion(-)

commit 270b87bb40e180cb6e8f1de9a0e8161525ffa4ab

Author: belyi <devnull@localhost>

Date: Sat Mar

26 19:31:14 2005 +0000

Updated debian/changelog regarding PyGtkGpgKeys example and a fix in errors.

pyme/debian/changelog | 5 ++++-  
1 file changed, 4 insertions(+), 1 deletion(-)

commit ea4682009a506db91e5174ffd038fe7e4406b591

Author: belyi <devnull@localhost>

Date: Sat Mar 26 19:25:36 2005 +0000

Added handling of right mouse button click.  
Changed reporting a string instead of a number on key generation failure.

pyme/examples/PyGtkGpgKeys.glade | 2 ++  
pyme/examples/PyGtkGpgKeys.py | 30 ++++++-----  
2 files changed, 29 insertions(+), 3 deletions(-)

commit f65ad1a703d0098a3204fb8527a54d253e5847e7

Author: belyi <devnull@localhost>

Date: Sat Mar 26 18:11:11 2005 +0000

Added another column indicating if a key has a secret part.  
Automated generation of the View menu from the view field of the KeyColumn  
class.

pyme/examples/PyGtkGpgKeys.glade | 93 +-----  
pyme/examples/PyGtkGpgKeys.py | 74  
+++++-----  
2 files changed, 44 insertions(+), 123 deletions(-)

commit b54e83a7a7a5785502f3c7e8b95f15e23b40e65a

Author: belyi <devnull@localhost>

Date: Sat Mar 26 16:45:13 2005 +0000

Small change to the way gtk.TreeModel object is used.

pyme/examples/PyGtkGpgKeys.py | 21 ++++++-----  
1 file changed, 10 insertions(+), 11 deletions(-)

commit 7078db75cef4c1fd70cf03e37172bdb4f933fd1b

Author: belyi <devnull@localhost>

Date: Fri Mar 25 23:33:06 2005 +0000

Use more comprehensible error reporting since gpgme\_strerror\_r returns None all the time.

pyme/pyme/errors.py | 6 +++--  
1 file changed, 3 insertions(+), 3 deletions(-)

commit 151213f4344d9984975721440af07de09e3df61c

Author: belyi <devnull@localhost>

Date: Fri Mar 25 04:30:17 2005 +0000

Improved PyGtkGpgKeys example to manage owner\_trust on keys.  
Added another example inter-edit.py which is just a helper to write scripts for Context.op\_edit() command.

pyme/examples/PyGtkGpgKeys.glade  
| 78 ++++++  
pyme/examples/PyGtkGpgKeys.py | 68 ++++++-----  
pyme/examples/inter-edit.py | 54 ++++++  
pyme/examples/t-edit.py | 18 ++++++  
4 files changed, 212 insertions(+), 6 deletions(-)

commit fc7235af217bcee5231ce7fbd7f234712d5ad3b0

Author: belyi <devnull@localhost>

Date: Fri Mar 25 00:30:39 2005 +0000

Updated PyGtkGpgKeys example to include import, export and reload functionality. Also added ability to remove number of keys simultaneously. Rearranged how KeyColumn is used to avoid unnecessary sorts and duplication of information in different parts of the code.

pyme/examples/PyGtkGpgKeys.glade | 86 ++++++--  
pyme/examples/PyGtkGpgKeys.py | 332 ++++++-----  
2 files changed, 325 insertions(+), 93 deletions(-)

commit 9f65749ccb1b7cab562e19c03f4371d5f7d94912

Author: belyi <devnull@localhost>

Date: Thu Mar 24 05:51:03

2005 +0000

Added example of PyGTK+ and PyMe integration.  
For now it does only simple things - listing, deleting, and generating keys.

```
pyme/examples/PyGtkGpgKeys.glade | 1321 ++++++
pyme/examples/PyGtkGpgKeys.gladep | 8 +
pyme/examples/PyGtkGpgKeys.py | 424 ++++++
3 files changed, 1753 insertions(+)
```

commit 59e23f32c3b46413c9ec09e23e1a385a110fb103  
Author: belyi <devnull@localhost>  
Date: Thu Mar 24 05:44:58 2005 +0000

Added wait method Context class which handles asynchronous calls a little  
bit better than the one generated by SWIG.

```
pyme/debian/changelog | 7 ++++++
pyme/gpgme.i | 1 +
pyme/pyme/core.py | 40 ++++++
3 files changed, 48 insertions(+)
```

commit 4c1b5259e4985df2cba0ae4fc09f12cd94603a75  
Author: belyi <devnull@localhost>  
Date: Tue Mar 22 18:29:31 2005 +0000

Added correct handling of Context.op\_edit() method.  
Added example/t-edit.py showing  
usage for this method.  
Output of this example should match output of the tests/gpg/t-edit  
from the GPGME test suite.  
Remove unused static function from helpers.c

```
pyme/examples/t-edit.py | 38 ++++++
pyme/gpgme.i | 36 ++++++
pyme/helpers.c | 36 -----
pyme/pyme/core.py | 5 ++++
4 files changed, 78 insertions(+), 37 deletions(-)
```

commit dc587e215283bfef2dd594f86a7b2945f74f5155  
Author: belyi <devnull@localhost>  
Date: Sat Mar 19 01:43:59 2005 +0000

Update changelog to include note about deprecated function in 0.6.1 release

```
pyme/debian/changelog | 3 +-
pyme/examples/encrypt-to-all.py | 3 +-
2 files changed, 3 insertions(+), 3 deletions(-)
```

commit 86de4b3ad777f980ccf7ba3462c85bbe1787d1fd  
Author: belyi <devnull@localhost>  
Date: Sat Mar 19 01:40:07 2005 +0000

Remove deprecated functions from helpers.[ch]  
Use gpgme-h-clean.py  
to remove deprecated functions and typedefs from  
the GPGME header file. This will reduce the number of unused methods.

pyme/Makefile | 4 +++  
pyme/gpgme-h-clean.py | 26 +++++  
pyme/helpers.c | 8 -----  
pyme/helpers.h | 2 --  
4 files changed, 28 insertions(+), 12 deletions(-)

commit 2483efcbd0d73c628c4d7717928a766c3b58f0aa  
Author: belyi <devnull@localhost>  
Date: Fri Mar 18 22:15:52 2005 +0000

Update copyright and author values in pyme/version.py  
Create rules to build distribution files - one full and one without  
debian bits.

pyme/Makefile | 28 +++++  
pyme/pyme/version.py | 12 +++++  
2 files changed, 28 insertions(+), 12 deletions(-)

commit 168593285380f5a7805f3dd08657d429a72d3621  
Author: belyi <devnull@localhost>  
Date: Fri Mar 18 19:09:33 2005 +0000

Added package building for python2.4

Updated copyright notes to include myself and avoid confusion who's the  
maintainer.

In John's own words: "I'd prefer to just step out of the picture".

Jonh's copyright notice left intact.

pyme/Makefile | 6 +++  
pyme/debian/changelog | 7 +++++  
pyme/debian/control | 30 +++++  
pyme/debian/copyright | 10 +++++  
pyme/debian/rules | 4 +++  
pyme/debian/setup.cfg-2.4 | 8 +++++  
pyme/examples/genkey.py | 4 +++  
pyme/gpgme.i | 4 +++  
pyme/helpers.c | 4 +++

```
pyme/helpers.h | 4 +++-
pyme/pyme/__init__.py | 4 +++-
pyme/pyme/callbacks.py | 4 +++-
pyme/pyme/constants/data/encoding.py | 4 +++-
pyme/pyme/constants/event.py | 4 +++-
pyme/pyme/constants/import.py | 4 +++-
pyme/pyme/constants/keylist/mode.py | 4 +++-
pyme/pyme/constants/md.py | 4 +++-
pyme/pyme/constants/pk.py
 | 4 +++-
pyme/pyme/constants/protocol.py | 4 +++-
pyme/pyme/constants/sig/mode.py | 4 +++-
pyme/pyme/constants/sigsum.py | 4 +++-
pyme/pyme/constants/status.py | 4 +++-
pyme/pyme/constants/validity.py | 4 +++-
pyme/pyme/core.py | 4 +++-
pyme/pyme/errors.py | 4 +++-
pyme/pyme/util.py | 4 +++-
pyme/pyme/version.py | 2 +-
pyme/setup.py | 3 +-
28 files changed, 96 insertions(+), 54 deletions(-)
```

commit 6dbbb252771133724b2879ed6d767cd708196dae

Author: belyi <devnull@localhost>

Date: Fri Mar 18 18:04:35 2005 +0000

Remove the note about gpgme.i to be generated - it's been the primary source for some time.

```
pyme/gpgme.i | 6 -----
```

1 file changed, 6 deletions(-)

commit 9d449fa4889c6bda6d14583c0625b8d5c4ffe759

Author: belyi <devnull@localhost>

Date: Fri May 7 18:31:22 2004 +0000

Added my copyright in genkey.py since there's enough changes made.

Updated signverify to use only keys generated by genkey.py, to check that keys added to singers are able to sign and to check that the list of signers is not empty. The last check is necessary to prevent signing with the key of the user running signverify.py script.

Added delkey.py script to delete keys generated by genkey.py

Added exportimport.py example for key export/import.

```
pyme/examples/delkey.py | 29 ++++++
```

```
pyme/examples/exportimport.py | 76 ++++++
```

```
pyme/examples/genkey.py | 6 +++-
```

pyme/examples/signverify.py | 18 ++++++----  
4 files changed, 119 insertions(+), 10 deletions(-)

commit df98c8d28245ad2c14b0ab50fc8f8932853bec8b

Author: belyi <devnull@localhost>

Date: Tue May 4 17:34:15 2004 +0000

Added examples/signverify.py for unattended sing/verify.  
Updated examples/genkey.py to work correctly.  
Updated gpgme.i to allow None as a value for gpgme\_data\_t

pyme/examples/genkey.py | 14 ++-----  
pyme/examples/signverify.py | 72 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++  
pyme/gpgme.i | 21 ++++++-----  
3 files changed, 87 insertions(+), 20 deletions(-)

commit ba45931abf530ab89ead46d7233ff1b62b629a18

Author: belyi <devnull@localhost>

Date: Thu Apr 8 16:15:09 2004 +0000

Ensure that we support only python2.2 and up. :-)  
Use generators in core.Context class which makes pyme.aux obsolete  
Remove importing future nested\_scopes since they are standard starting  
with python2.2

pyme/pyme/\_\_init\_\_.py | 5 +----  
pyme/pyme/aux.py | 56 -----  
pyme/pyme/core.py | 15 ++++++-----  
pyme/pyme/errors.py | 1 -  
pyme/pyme/util.py | 2 +-  
5 files changed, 15 insertions(+), 64 deletions(-)

commit 4e9be5a55ecffa4da7ad5c192cc892eddaaa9586

Author: belyi <devnull@localhost>

Date: Sun Mar 21 03:53:30 2004 +0000

Small change to index.html  
Added clean: rule to the Makefile

pyme-web/Makefile | 3 +++  
pyme-web/index.html | 6 +---  
2 files changed, 6 insertions(+), 3 deletions(-)

commit 2efb95176f4edf56ed61c9ac0c3aa09c56534df0

Author: belyi <devnull@localhost>

Date: Sun Mar 21 03:00:32 2004 +0000

Added Makefile rules for pyme module installation.

pyme/Makefile | 5 ++++  
1 file changed, 4 insertions(+), 1 deletion(-)

commit 2b83d5d8b513029cc3e54f2fa502ccc85618104b

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:29:54 2004 +0000

Decorative change.

pyme/pyme/aux.py | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit e3478015d763a036c1d806ae01433fce59712204

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:25:55 2004 +0000

Added RCS Id: tags

pyme/Makefile | 1 +  
pyme/examples/encrypt-to-all.py | 3 +-  
pyme/examples/genkey.py | 3 +-  
pyme/examples/sign.py | 3 +-  
pyme/examples/simple.py  
| 3 +-  
pyme/gpgme.i | 1 +  
pyme/helpers.c | 1 +  
pyme/helpers.h | 1 +  
pyme/pyme/\_\_init\_\_.py | 1 +  
pyme/pyme/aux.py | 1 +  
pyme/pyme/callbacks.py | 1 +  
pyme/pyme/constants/\_\_init\_\_.py | 2 ++  
pyme/pyme/constants/data/\_\_init\_\_.py | 2 ++  
pyme/pyme/constants/data/encoding.py | 1 +  
pyme/pyme/constants/event.py | 1 +  
pyme/pyme/constants/import.py | 1 +  
pyme/pyme/constants/keylist/\_\_init\_\_.py | 2 ++  
pyme/pyme/constants/keylist/mode.py | 1 +  
pyme/pyme/constants/md.py | 1 +  
pyme/pyme/constants/pk.py | 1 +  
pyme/pyme/constants/protocol.py | 1 +  
pyme/pyme/constants/sig/\_\_init\_\_.py | 2 ++  
pyme/pyme/constants/sig/mode.py | 1 +  
pyme/pyme/constants/sigsum.py | 1 +  
pyme/pyme/constants/status.py | 1 +  
pyme/pyme/constants/validity.py | 1  
+  
pyme/pyme/core.py | 1 +



pyme/pyme/errors.py | 1 +  
pyme/pyme/util.py | 1 +  
pyme/pyme/version.py | 2 ++  
30 files changed, 39 insertions(+), 4 deletions(-)

commit b3b3712645332c5bc3e8d9d557aab21d48ff0f86  
Author: belyi <devnull@localhost>  
Date: Sun Mar 21 02:07:36 2004 +0000

Added Id: RCS tags to all files.

pyme-web/Makefile | 2 ++  
pyme-web/index.html | 3 +-  
2 files changed, 4 insertions(+), 1 deletion(-)

commit 6aea2426beaaa8c43e6f2310a37a2737c0c3a1b5  
Author: belyi <devnull@localhost>  
Date: Sun Mar 21 01:50:55 2004 +0000

Update example on the init pyme.html page to match simple.py example.  
Fix core.py to use getcode() instead of getvalue() method of the exception.

pyme/pyme/\_\_init\_\_.py | 22 ++++++-----  
pyme/pyme/core.py | 4 +--  
2 files changed, 16 insertions(+), 10 deletions(-)

commit dee337455ffd624d3f83e1c159c4bb2cefc692c9  
Author: belyi <devnull@localhost>  
Date:  
Sat Mar 20 20:32:29 2004 +0000

Added Makefile to simplify publishing web files.

pyme-web/Makefile | 7 ++++++  
1 file changed, 7 insertions(+)

commit af7129baa8260697d85c2ddb434562e8a80b62d8  
Author: belyi <devnull@localhost>  
Date: Sat Mar 20 20:15:53 2004 +0000

Added minimum of formatting and SF icon.

pyme-web/index.html | 18 ++++++-----  
1 file changed, 11 insertions(+), 7 deletions(-)

commit 2e64dcfb99cee796b51667b04d8961e390edde87  
Author: belyi <devnull@localhost>  
Date: Sat Mar 20 18:30:09 2004 +0000

Initial revision

pyme-web/index.html | 33 ++++++  
1 file changed, 33 insertions(+)

commit 1c51644b3d0b6611422d971758e35f303d2ad5df

Author: belyi <devnull@localhost>

Date: Sat Mar 20 05:10:46 2004 +0000

Update examples and package information on the initial pyme doc page.

pyme/pyme/\_\_init\_\_.py | 27 ++++++-----  
1 file changed, 12 insertions(+), 15 deletions(-)

commit b2d31b0bfbffdf5247d6db4e3c95140cc1b1f19

Author:

belyi <devnull@localhost>

Date: Sat Mar 20 04:47:42 2004 +0000

Deleted unnecessary files.

Updated debian/control to remove dependency on python-xml package since there's none now.

Move example files from 'doc' into separate control file.

Update debian/rules to build documentation from \*.py files and to exclude CVS directories from the installation.

pyme/Makefile | 26 ++-----  
pyme/debian/control | 8 +--  
pyme/debian/docs | 1 -  
pyme/debian/ex.package.doc-base | 22 -----  
pyme/debian/examples | 1 +  
pyme/debian/manpage.1.ex | 60 -----  
pyme/debian/manpage.sgml.ex | 152 -----  
pyme/debian/rules | 12 +++-  
8 files changed, 15 insertions(+), 267 deletions(-)

commit 1b517dd9b82a433499b4696b06d94d756cd36e53

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:59:15 2004 +0000

Remove doc/gpgme

directory containing GPGME documentation since this belongs to a different project. Need to add reference in our documentation.

pyme/doc/gpgme/fdl.texi | 402 -----  
pyme/doc/gpgme/gpgme.texi | 3372 -----  
pyme/doc/gpgme/gpl.texi | 397 -----

pyme/doc/gpgme/version.texi | 4 -  
4 files changed, 4175 deletions(-)

commit 95d7d171da115a0fedfe2a4a7e5acc8aa408f673

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:45:03 2004 +0000

Change debian/rules to generate files by swig during build and to cleanup those files on 'clean' rule.

Plus, leave generated gpgme\_wrap.c in the root directory instead of moving it into subdirectory 'generated'.

pyme/Makefile | 8 +++-----  
pyme/debian/rules | 3 +-  
pyme/setup.py | 2 +-  
3 files changed, 6 insertions(+), 7 deletions(-)

commit 545b3d90d445c5c78e8d72b2c1780863e02c789a

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:18:01 2004 +0000

Initial revision

pyme/COPYING | 340 +++++  
pyme/ChangeLog | 802 ++++++++  
pyme/Makefile | 79 +  
pyme/debian/README.Debian | 6 +  
pyme/debian/changelog | 19 +  
pyme/debian/control | 68 +  
pyme/debian/copyright | 27 +  
pyme/debian/dirs | 2 +  
pyme/debian/docs | 2 +  
pyme/debian/ex.package.doc-base | 22 +  
pyme/debian/manpage.1.ex | 60 +  
pyme/debian/manpage.sgml.ex | 152 ++  
pyme/debian/postinst.ex | 48 +  
pyme/debian/postrm.ex | 38 +  
pyme/debian/preinst.ex | 44 +  
pyme/debian/prerm.ex | 39 +  
pyme/debian/rules | 130 ++  
pyme/debian/setup.cfg-2.2 | 8 +  
pyme/debian/setup.cfg-2.3 | 8 +  
pyme/doc/gpgme/fdl.texi  
| 402 +++++  
pyme/doc/gpgme/gpgme.texi | 3372 +++++  
pyme/doc/gpgme/gpl.texi | 397 +++++  
pyme/doc/gpgme/version.texi | 4 +  
pyme/examples/encrypt-to-all.py | 63 +

```

pyme/examples/genkey.py | 55 +
pyme/examples/sign.py | 28 +
pyme/examples/simple.py | 44 +
pyme/gpgme.i | 191 ++
pyme/helpers.c | 139 ++
pyme/helpers.h | 29 +
pyme/pyme/__init__.py | 134 ++
pyme/pyme/aux.py | 55 +
pyme/pyme/callbacks.py | 45 +
pyme/pyme/constants/__init__.py | 2 +
pyme/pyme/constants/data/__init__.py | 2 +
pyme/pyme/constants/data/encoding.py | 19 +
pyme/pyme/constants/event.py | 19 +
pyme/pyme/constants/import.py | 19 +
pyme/pyme/constants/keylist/__init__.py
| 2 +
pyme/pyme/constants/keylist/mode.py | 19 +
pyme/pyme/constants/md.py | 19 +
pyme/pyme/constants/pk.py | 19 +
pyme/pyme/constants/protocol.py | 19 +
pyme/pyme/constants/sig/__init__.py | 2 +
pyme/pyme/constants/sig/mode.py | 19 +
pyme/pyme/constants/sigsum.py | 19 +
pyme/pyme/constants/status.py | 19 +
pyme/pyme/constants/validity.py | 19 +
pyme/pyme/core.py | 367 +++++
pyme/pyme/errors.py | 46 +
pyme/pyme/util.py | 61 +
pyme/pyme/version.py | 39 +
pyme/setup.py | 60 +
53 files changed, 7642 insertions(+)

```

commit a3d5a442dc713b6c4d6fc4134db5b47e379dc41d

Author: root <devnull@localhost>

Date: Fri Mar 19 14:12:30 2004 +0000

initial checkin

```

CVSROOT/checkoutlist | 13 ++++++
CVSROOT/commitinfo | 15 ++++++
CVSROOT/config
| 21 ++++++
CVSROOT/cvswrappers | 19 ++++++
CVSROOT/editinfo | 21 ++++++
CVSROOT/loginfo | 26 ++++++
CVSROOT/modules | 26 ++++++
CVSROOT/notify | 12 ++++++
CVSROOT/rcsinfo | 13 ++++++

```

CVSROOT/taginfo | 20 ++++++  
CVSROOT/verifysmg | 21 ++++++  
11 files changed, 207 insertions(+)  
-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFrsKEkBCADKw4Wt8J6M/88qD8PO6lSMCxH1cpwH8iK0uPaFFYsJkkXo7kWf
PTAtrV+REqF/o80dvYcdLvRsV21pvncZz/HXLU1yQ18mC3XObrKokbdgrTTKA5XE
BZkNsqyaMMJauT18H4hYkSg62/tTdO1cu/zWv/LFf7Xyn6+uA74ovXCJIO1s0N2c
PSht98QRzPMf2owgVk37JnDNp4gGVDGHxSZOuUwXgYAZYnA8SFc+c+3ZrQfY870
+O4j3Mz4p7yD13AwP4buQLBsb/icekeQCqRjLH9f7MdEcGXa1x36RcEkHdu+M
yJ392eMgD+dKNfRCtyTPhjZTxvbNELIBYICfABEBAAG0EHRlc3RAZXhhbXBsZS5v
cmeJAVQEEwEIAD4WIQTUFzW5Ejb9uIIEjFojAWNe7/DLBQUCWuwoSQIbAwUJA8Jn
AAULCQgHAgYVCgkICwIEFgIDAQIeAQIXgAAKCRAjAWNe7/DLBf9kB/wOQ/S60HGw
Fq07W9N01HWULyhHKOmmHL6rfZ64oDqLxolPSasz7WAMW1jN4qtWJ0mFzwO83V6
kaBe+wF6Kqir6udFSBW9rPcFg6/VZXPltT0a6uacIHq6DyQ5iMW4YQWbVY9OR2rN
GkYo1JCBR0XdRjYCSX3yB4TWv/eXnZ37/WjmiTOIZh35rjs+NuU/S5JPDfAp2/k7
0DevQeBsv+UjVXjWpNTZmPbvDnd995uSmC6UY4hzyP84ORYMYn9n1QAR0goxDN6U
unOf9Rlp1oMzdxMool/d1MICxg2h3jheuhv7lgUF4KpvHOuEPXQ7UO417E0TYcDZ
1J8Nsv87SZeEuQENBFrsKEkBCADjoEBhG/QPqZHg8VyoD1xYRAWGxyDJkX/GrSs6
yE+x2hk5FoQCajxKa/d4AVxOnJpdwhAfeXeSNaql5Ejgzax+Tdj9BV6vtGVJVv0p
O7bgAiZxkA6RHxtNqhpPnPQoXvUzkzpRgpuL+Nj4yIg7z1ITH6KQH4u5SI9vd+j/
8i9Taz67pdZwuJjac8qBuJHjzAo1bjYctFYUSG5pbmMQyNLySzgiNkFa4DajODlt
3RuqVGP316Fk+Sy2+60tC/HIX8jgMyMONfOGBQx6jk8tvAphS/LAqrrNepnagIyL
UGKU+L8cB2g1PGGp2biBFWqZbudZoyRBet/0yH/zirBdQJw1ABEBAAGJATwEGAEI
ACYWIQTUFzW5Ejb9uIIEjFojAWNe7/DLBQUCWuwoSQIbDAUJA8JnAAAKCRAjAWNe
7/DLBf0pCACPP5hBUUWngu2Hqvg+tNiujsiYzId3MffFxEk3CbXeHcJ5F32NDJ9
PYCnra4L8wSv+Nzt9gIa81FwoFSFQCjzH7KE86XcV3MhfdJTNb/+9CR7Jq3e/4Iy
0N5ip7PNYMCyakcAsxvsNCJKrSaDuYe/OAoTXRBtgRWE2uyT315em02Lkr+2Cc/Q
k6H+vlNOHGRgnpl/OZZjnUuUfBUvMGHr1phW+y7aeymC9PnUGdViRdJe23nntMSD
A+0/I7ESO9JsWvJbyBmuiZpu9JjScOjYH9xpQLqRNyw4WHpZriN69F0t9Mmd7bM1
+UyPgbPEr0iWMeyctYsuOLeUyQKMscDT
=QyY6
```

-----END

PGP PUBLIC KEY BLOCK-----

Using gpgme.js

-----

At first, make sure that the environment you want to use gpgme.js in has access and permissions for nativeMessaging, and gpgme-json installed. For details, see the README.

The library itself is started via the { @link init } method. This will test the nativeMessaging connection, and then resolve into an Object offering the top level API:

- \* [encrypt]{ @link GpgME#encrypt }
- \* [decrypt]{ @link GpgME#decrypt }
- \* [sign]{ @link GpgME#sign }
- \* [verify]{ @link GpgME#verify }

```
* [Keyring]{ @link GPGME_Keyring}
```

```
...
```

```
gpgmejs.init()
 .then(function(GPGME) {
 // using GPGME
 }, function(error){
 // error handling;
 })
...
```

All methods that require communication with nativeMessaging are asynchronous, using Promises. Rejections will be instances of { @link GPGME\_Error}.

An exception are Keys, which can be initialized in a 'sync' mode, allowing them to be cached and used synchronously until manually refreshed.

## Keyring and Keys

-----

The gnupg keys  
can be accessed via the [Keyring]{ @link GPGME\_Keyring}.

The Keyring offers the methods for accessing information on all Keys known to gnupg.

**\*\*Due to security constraints, the javascript-binding currently only offers limited support for secret-Key interaction.\*\***

The existence of secret Keys is not secret, and those secret Keys can be used for signing, but Operations that may expose, modify or delete secret Keys are not supported.

```
* [getKeysArmored]{ @link GPGME_Keyring#getKeysArmored}
```

```
* [getKeys]{ @link GPGME_Keyring#getKeys}
```

```
* [getDefaultKey]{ @link GPGME_Keyring#getDefaultKey}
```

```
* [generateKey]{ @link GPGME_Keyring#generateKey}
```

```
* [deleteKey]{ @link GPGME_Keyring#deleteKey}
```

```
\input texinfo @c -*- texinfo -*-
```

```
@c %**start of header
```

```
@setfilename what-is-new.info
```

```
@settitle What's New in the GPGME Python Bindings and Documentation
```

```
@documentencoding utf-8
```

```
@documentlanguage en
```

```
@c %**end of header
```

```
@finalout
```

```
@titlepage
```

```
@title What's New in the GPGME Python Bindings and Documentation
```

@author Ben McGinnes

@end titlepage

@contents

@ifnottex

@node Top

@top What's New in the GPGME Python Bindings and Documentation

@end ifnottex

@menu

\* What's New::

@detailmenu

--- The Detailed Node Listing ---

What's New

\* New in GPGME 1130::

@end detailmenu

@end menu

@node What's New

@chapter What's New

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item xml:lang:

@tab en-AU, en-GB, en

@end multitable

Last time the most

obviously new thing was adding the @emph{What's New} section to the HOWTO. Now it's moving it out of the HOWTO.

@menu

\* New in GPGME 1130::

@end menu

@node New in GPGME 1130  
@section New in GPGME 1130

Additions since GPGME 1.12.0 include:

@itemize

@item

Moving the @emph{What's New} section out of the basic @uref{gpgme-python-howto.org, HOWTO} document and

into its own file so as to more readily include other documents

beyond that HOWTO.

@item

Moving the preceding, archival, segments into @uref{what-was-new.org, another file}.

@item

Added @samp{gpg.version.versionintlist} to make it easier for Python developers to check for a specific version number, even with beta versions (it will drop the "-betaN" part).

@item

Added expanded detail on issues pertaining to installing for Windows users.

@item

Bindings enter @uref{maintenance-mode, maintenance mode} from January, 2019.

@item

Added documentation on maintenance mode and what changes can be made to the code when in that status. Essentially

that boils down to bug

fixes only and no feature requests.

@item

The import-keys-hkp.py example script, which uses the @samp{hkp4py} module to search the SKS servers for a key, has been tightened up to search for both hexadecimal key IDs and user ID strings with reduced chance of unnecessary repetition. There may still be some repetition if a key includes a user ID matching the hexadecimal value of a key ID.

@end itemize

@bye

```
;;; gpgme-grovel.lisp
```

```
;;; This file is part of GPGME-CL.
```

```
;;;
```

```
;;; GPGME-CL is free software; you can redistribute it and/or modify it
```

```
;;; under the terms of the GNU General Public License as published by
```

```
;;; the Free Software Foundation; either version 2 of the License, or
```

```
;;; (at your option) any later version.
```

```
;;;
```

```
;;; GPGME-CL is distributed in the hope that it will be useful, but
```



```
;;; WITHOUT ANY WARRANTY; without even the implied warranty of
;;; MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
;;; Lesser General Public License for more details.
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;;; You should have received a copy of the GNU General Public License
;;; along with GPGME; if not, write to the Free Software Foundation,
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
```

```
(in-package :gpgme)
```

```
(include "errno.h" "sys/types.h")
```

```
(constant (+ebadf+ "EBADF"))
```

```
(ctype off-t "off_t")
```

```
(ctype size-t "size_t")
```

```
(ctype ssize-t "ssize_t")
```

```
(cvar ("errno" *errno*) :int)
```

```
(21:protected-private-key(3:elg(1:p129:W#} }l;;m>
```

```
;4YV$Qg
```

```
LoLy~*Tru*+ID8"-9,:17^g*({ #7)(1:g1:)(1:y128:2o62,Tj/
```

```
rRi3sSS iCAYNYbVtAHKi7(UPp)?Od{ 'R^f)(9:protected25:openpgp-s2k3-sha1-aes-
```

```
cbc((4:sha18:fw'E7:5242880)16:aqR)192:5f1a-`{^EV699WoB\,:Rs1*W6Lu iZ
```

```
:=ZqURM47;pA3#DL
```

```
so8O)Th^P@IP0&.DR;"rkN7)(12:protected-at15:20101008T070216)))
```

For a list of the authors of the source code of GPGME, please see the file AUTHORS. The following people supported GPGME development in various ways (for example by finding bugs or giving advice), and we want to thank them for their help. If we forgot you, please let us know.

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# This is a template. The dist target uses it to create the real file.

Summary: GPGME - GnuPG Made Easy

Name: gpgme

Version: 1.13.1

Release: 1

URL: <https://gnupg.org/gpgme.html>

Source: <https://www.gnupg.org/ftp/gcrypt/gpgme/{name}-{version}.tar.gz>

Group: Development/Libraries

Copyright: GPL

BuildRoot: % {\_tmppath}/% {name}-% {version}

BuildRequires: make

Prereq: /sbin/ldconfig /sbin/install-info

Requires: gnupg

%description

GnuPG Made Easy (GPGME) is a library designed to make access to GnuPG easier for applications. It provides a High-Level Crypto API for encryption, decryption, signing, signature verification and key management.

%prep

%setup -q

%build

CFLAGS="\$RPM\_OPT\_FLAGS"; export CFLAGS

./configure --prefix=/usr

make

%install

rm -fr \$RPM\_BUILD\_ROOT

mkdir -p \$RPM\_BUILD\_ROOT

make install prefix=\$RPM\_BUILD\_ROOT/usr infodir=\$RPM\_BUILD\_ROOT% {\_infodir}

rm -f \$RPM\_BUILD\_ROOT% {\_infodir}/dir

```

%clean
rm -fr $RPM_BUILD_ROOT
make distclean

%post
/sbin/ldconfig
/sbin/install-info % {_infodir}/gpgme.info.gz
% {_infodir}/dir
/sbin/install-info % {_infodir}/gpgme-python-howto.info.gz % {_infodir}/dir

%preun
if ["$1" = 0]; then
/sbin/install-info --delete % {_infodir}/gpgme.info.gz % {_infodir}/dir
/sbin/install-info --delete % {_infodir}/gpgme-python-howto.info.gz % {_infodir}/dir
fi

%postun
/sbin/ldconfig

%files
%defattr(-,root,root)
%doc COPYING COPYING.LESSER AUTHORS README INSTALL NEWS ChangeLog TODO THANKS
%attr(0755,root,root) % {_bindir}/gpgme-config
%attr(0755,root,root) % {_libdir}/*gpgme.so*
%attr(0755,root,root) % {_libdir}/*gpgme.la
%attr(0644,root,root) % {_libdir}/*gpgme.a
% {_includedir}/gpgme.h
% {_datadir}/aclocal/gpgme.m4
% {_infodir}/gpgme.info*
% {_infodir}/gpgme-python-howto.info*

%changelog
* Sat Aug 30 2003 Robert Schiele <rschiele@uni-mannheim.de>
- % {_infodir}/dir is not packaged, remove to prevent checking failure
* Mon Jul 01 2002 Wojciech Polak <polak@lodz.pdi.net>
- initial specfile release for GPGME.

EOF

```

# 1.350 glib 2.56.4-158.el8

## 1.350.1 Available under license :

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Version 2.1, February 1999

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## 1.353 perl 5.26.3-421.el8

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## 1.355 kexec-tools 2.0.20-68.el8



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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of `sudo` since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to `sudo@sudo.ws`.

Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie  
Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bos, Sander  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
Cheloha, Scott  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.

Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, Yoshifuji  
Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Jorge, Joel Pele  
Jover, Guillem  
Juhani, Timo  
Kikuchi, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Mallayya, Sangamesh  
Marchionna, Michael D.  
Markham, Paul  
Martinian, Emin  
Meskes, Michael  
Michael, David



Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin  
Nieusma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Ouellet, Jean-Philippe  
Paquet, Eric  
Paradis, Chantal  
Pasteleurs, Frederic  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
Sato, Yuichi  
Snchez, Wilfredo  
Sanders, Miguel  
Sasaki, Kan  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott, Dougal  
Sieger, Nick  
Simon, Thor Lancelot  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven

Spangler, Aaron  
Spradling, Cloyce D.  
Spradling, Michael  
Stier, Matthew  
Stoeckmann, Tobias  
Street, Russell  
Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
Thomas, Matthew  
Todd, Giles  
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Wagner, Klaus  
Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
Blttermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez,  
Francisco  
Fontenelle, Rafael  
Garca-Fontes, Walter

Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
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Hantrais, Frdric  
Hein, Jochen  
Hufthammer, Karl Ove  
Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen, Gbor  
Keeci, Mehmet  
Koir, Klemen  
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Marchal, Frdric  
Margeviius, Algimantas  
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Putanec, Boidar  
Qun, Trn Ngc  
Rasmussen, Sebastian  
Regueiro, Leandro  
Sarar, zgr  
Sendn, Abel  
Sikrom, ka  
Spingos, Dimitris  
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Tomat, Fbio  
r, Balzs  
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.362 mongodb-driver-core 4.0.5

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/authentication/SaslPrep.java

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/lang/Nullable.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/WriteConcernHelper.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/lang/NonNull.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/TransactionOptions.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncClientSessionImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/lang/package-info.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/ReadConcernAwareNoOpSessionContext.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/ReadConcernHelper.java

```
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/ServerVersionHelper.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/lang/NonNullApi.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/async/client/AsyncClientSession.java
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* https://github.com/marianobarrios/tls-channel
*/
```

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```
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/NeedsWriteException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/BufferAllocator.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/TrackingAllocator.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/TlsChannelFlowControlException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/impl/ByteBufferUtil.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/TlsChannelBuilder.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/async/AsynchronousTlsChannelGroup.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/WouldBlockException.java
*
```

```
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/impl/ByteBufferSet.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/impl/BufferHolder.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/ExtendedAsynchronousByteChannel.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/ClientTlsChannel.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/util/TlsChannelCallbackException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/util/Util.java
*
```

```
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/async/AsynchronousTlsChannel.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/impl/TlsChannelImpl.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/NeedsTaskException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/tlschannel/NeedsReadException.java
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/connection/netty/ReadTimeoutHandler.java
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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-  
jar/com/mongodb/annotations/Beta.java

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\*/

/\*\*  
\* Returns an array containing all of the elements in this deque, in  
\* proper sequence (from first to last element).  
\*  
\* <p>The returned array will be "safe" in that no references to it are  
\* maintained by this deque. (In other words, this method must allocate  
\* a new array). The caller is thus free to modify the returned array.

```
*
* <p>This method acts as bridge between array-based and collection-based
* APIs.
*
* @return an array containing all of the elements in this deque
*/
```

Found in path(s):

```
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/ConcurrentLinkedDeque.java
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* https://github.com/marianobarrios/tls-channel
*/
/**
 * Writes a sequence of bytesProduced to this channel from a subsequence of the
 * given buffers.
 *
 * <p>
 * See { @link GatheringByteChannel#write(ByteBuffer[], int, int) } for
more
 * details of the meaning of this signature.
 *
 * <p>
 * This method behaves slightly different than the interface specification,
 * with respect to non-blocking responses, see { @link #write(ByteBuffer) }
 * for more details.
 *
 * @param srcs The buffers from which bytesProduced are to be retrieved
 * @param offset The offset within the buffer array of the first buffer from
 * which bytesProduced are to be retrieved; must be non-negative and no
 * larger than <tt>srcs.length</tt>
```



\* @throws IOException if the underlying channel throws an IOException  
\*/

Found in path(s):

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/tlschannel/TlsChannel.java

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Found in path(s):

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/annotations/NotThreadSafe.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/annotations/Immutable.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/annotations/ThreadSafe.java

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Found in path(s):

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/gridfs/helpers/package-info.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/event/ConnectionPoolListener.java



\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/GetMoreProtocol.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/gridfs/AsyncGridFSUploadStream.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/ReadOperation.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/validator/UpdateFieldNameValidator.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncListDatabasesIterableImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/session/ClientSession.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/changestream/ChangeStreamDocument.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/connection/TlsChannelStreamFactoryFactory.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/DefaultServerMonitorFactory.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/CollectionInfoRetriever.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/DnsSrvRecordMonitorFactory.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/Cluster.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/BulkWriteOptions.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/ElementExtendingBsonWriter.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncAggregateIterable.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/selector/ServerSelector.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/diagnostics/logging/Loggers.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/DeleteProtocol.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/CreateViewOptions.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/ChangeEvent.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/geojson/Point.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/DefaultConnectionPool.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-  
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 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoExecutionTimeoutException.java  
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 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoCursorNotFoundException.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/connection/ServerVersion.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/diagnostics/logging/SLF4JLogger.java  
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/CursorType.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/OpCode.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/management/package-info.java

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/selector/LatencyMinimizingServerSelector.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/CreateCollectionOperation.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/vault/AsyncClientEncryptionImpl.java

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/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/event/ConnectionPoolOpenedEvent.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncAggregateIterableImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoNodeIsRecoveringException.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncMapReduceIterable.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/DBRefCodecProvider.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncListCollectionsIterableImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/PushOptions.java

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/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/binding/AsyncClusterBinding.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoDriverInformation.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/DistinctOperation.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/event/ClusterListenerAdapter.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/UpdateOptions.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/binding/SingleConnectionReadBinding.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoWriteException.java

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/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/CollationAlternate.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/geojson/MultiPoint.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/gridfs/GridFSIndexCheckImpl.java

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 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-  
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/connection/AsynchronousSocketChannelStreamFactory.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-

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jar/com/mongodb/internal/binding/AsyncReadBinding.java
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/event/ConnectionPoolListenerMulticaster.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/GraphLookupOptions.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/CollationMaxVariable.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoCommandException.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncMongoCollection.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/AsyncSingleBatchQueryCursor.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/Crypt.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/UnixServerAddress.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/package-info.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/session/ServerSession.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/geojson/package-info.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/DropIndexOperation.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/BasicDBObjectBuilder.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/ValidationOptions.java

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/ErrorHandlerResultCallback.java

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/DropIndexOptions.java

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-  
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/async/client/AsyncMapReduceIterableImpl.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/ExplainHelper.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/geojson/codecs/GeoJsonCodecProvider.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/BaseQueryMessage.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-

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jar/com/mongodb/connection/netty/package-info.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/InternalStreamConnectionInitializer.java
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/package-info.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/SendMessageCallback.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/event/ConnectionCreatedEvent.java
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jar/com/mongodb/internal/operation/QueryBatchCursor.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/async/client/AsyncMongoClientImpl.java
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/MongoNotPrimaryException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
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* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/gejson/codecs/NamedCoordinateReferenceSystemCodec.java
*

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 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/BucketGranularity.java  
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 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/TransactionOperation.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/bulk/BulkWriteError.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/DefaultServerConnection.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/event/ClusterDescriptionChangedEvent.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/Function.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/gejson/codecs/MultiPolygonCodec.java  
 \*  
 /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/ListIndexesOperation.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/gridfs/model/package-info.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/event/CommandListener.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncMongoDatabase.java  
 \* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-

```

jar/com/mongodb/client/model/WriteModel.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/ErrorCategory.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/async/client/AsyncMongoDatabaseImpl.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/SslHelper.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/event/CommandFailedEvent.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/geojson/codecs/PointCodec.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/X509Authenticator.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/connection/StreamFactory.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/Pool.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/ByteBufferBsonOutput.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/ReplyHeader.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/geojson/MultiPolygon.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/ReadConcern.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/DuplicateKeyException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/event/ConnectionAddedEvent.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/connection/SslSettings.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/management/MBeanServer.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/binding/AsyncSingleConnectionReadBinding.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/event/ConnectionCheckedInEvent.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/AsyncOperations.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/RenameCollectionOperation.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/ClientMetadataHelper.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/result/InsertOneResult.java

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\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/Field.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/connection/ClusterType.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/event/EventListenerHelper.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/gejson/codecs/GeometryCodec.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/event/ServerClosedEvent.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/ProtocolExecutor.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/AuthenticationMechanism.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/TextSearchOptions.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/bulk/WriteRequest.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/ConnectionFactory.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/UpdateMessage.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/DBObjectCodecProvider.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncChangeStreamIterableImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/MongoSecurityException.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/vault/AsyncClientEncryption.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/selector/ServerAddressSelector.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/changestream/OperationTypeCodec.java

\*

/opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/connection/RequestMessage.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/client/model/gejson/PolygonCoordinates.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/AsyncFindIterableImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/operation/CommandReadOperation.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-jar/com/mongodb/internal/async/client/gridfs/AsyncGridFSBucketImpl.java

\* /opt/cola/permits/1322233803\_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-

```

jar/com/mongodb/client/model/changestream/OperationType.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/QueryResult.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/MongoInternalException.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/UpdateOneModel.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/event/CommandStartedEvent.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/client/model/AggregationLevel.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/DefaultServer.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/KillCursorsMessage.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/MongoNamespace.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/session/ClientSessionContext.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/AggregateOperation.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/CommandHelper.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/vault/package-info.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/AutoEncryptionSettings.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/dns/DnsResolver.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/RenameCollectionOptions.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/MongoWriteConcernException.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/OperationHelper.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/async/client/AsyncListDatabasesIterable.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/connection/ServerId.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/SplittablePayloadBsonWriter.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/model/Filters.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/DropDatabaseOperation.java

```

```
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/event/ServerMonitorListenerAdapter.java
*
/opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/selector/package-info.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/client/gridfs/model/GridFSDownloadOptions.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/connection/ServerSettings.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/operation/DeleteOperation.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/internal/connection/ClusterableServerFactory.java
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/MongoSocketOpenException.java
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```
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*/
```

Found in path(s):

```
* /opt/cola/permits/1322233803_1651784959.94/0/mongodb-driver-core-4-0-5-sources-2-
jar/com/mongodb/assertions/Assertions.java
```

## 1.363 tevent 0.11.0

### 1.363.1 Available under license :

```
/*
Unix SMB/CIFS implementation.
```

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```

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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5. A program that contains no derivative of any portion of the

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## 1.369 syspurpose 1.28.29

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Version 2.1, February 1999

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```

```
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```

This is a Makefile stub which handles the creation of BSD shared
libraries.

In order to use this stub, the following makefile variables must be defined.

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
```

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBS)

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's;lib/;;'/'$(BSD_LIB) $(BSD_LIB))
```

install-shlibs install:: \$(BSD\_LIB)

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

```
$(DESTDIR)$BSDLIB_INSTALL_DIR/$(BSD_LIB)
```

```
@$(LD_CONFIG)
```

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$BSDLIB_INSTALL_DIR/$(BSD_LIB)
```

clean::

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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Theodore Ts'o  
23-June-2007

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by  
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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## 1.373 dnf-plugins-core 4.0.21-11.el8

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## 1.376 fwupd 1.7.4-2.el8.alma



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Upstream-Name: fwupd-efi

Source: <https://github.com/fwupd/fwupd-efi>

Files: debian/\*

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or

link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany

the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally

distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to

encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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## 1.378 linux-firmware 39.31.5.1-107.el8.1

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## 1.379 linux-firmware 41.28.5.1-107.el8.1

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# 1.381 python 3.6.8-45.el8.alma

## 1.381.1 Available under license :

### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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```
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```

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# 1.386 linux-firmware 20220210-107.git6342082c.el8

## 1.386.1 Available under license :

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

- \* copy small buffer contents to head of large buffer.
- \* Trick is to avoid fragmenting Linux, due to need for a lot of large
- \* buffers. This is done by 2 things:
- \* 1) skb->destructor / skb->atm.recycle\_buffer
- \* combined, allow nicstar\_free\_rx\_skb to be called to
- \* recycle large data buffers
- \* 2) skb\_clone of received buffers
- \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation
- \* details.
- \*
- \*
- \*
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- \* M. Welsh, 6 July 1996
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without

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Because

of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

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FlashPoint Driver Developer's Kit

Version 1.0

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## 1.391 perl-net-ssleay 1.88-

## 2.module\_el8.6.0+2811+fe6c84b0

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# 1.392 perl-mozilla-ca 20160104-

# 7.module\_el8.5.0+2812+ed912d05

## 1.392.1 Available under license :

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---

abstract: "Mozilla's CA cert bundle in PEM format"  
author:  
- 'Gisle Aas <gisle@activestate.com>'  
build\_requires:  
Test: '0'  
configure\_requires:  
ExtUtils::MakeMaker: '0'  
dynamic\_config: 1  
generated\_by: 'ExtUtils::MakeMaker version 7.02, CPAN::Meta::Converter version 2.142690'  
license: unknown  
meta-spec:  
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>  
version: '1.4'  
name: Mozilla-CA  
no\_index:  
directory:  
- t  
- inc  
requires:  
perl: '5.006'  
resources:  
repository: <http://github.com/gisle/mozilla-ca>  
version: '20160104'

Found in path(s):

\* /opt/cola/permits/1345494047\_1661989467.9909937/0/perl-Mozilla-CA-20160104-7.module\_el8.5.0+2812+ed912d05.src.rpm-cosi-expand-archive-xJ7vxKIY/Mozilla-CA-20160104.tar.gz-cosi-expand-archive-3Vvjon9Y/Mozilla-CA-20160104/META.yml

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License: MPLv2.0

Found in path(s):

\* /opt/cola/permits/1345494047\_1661989467.9909937/0/perl-Mozilla-CA-20160104-7.module\_el8.5.0+2812+ed912d05.src.rpm-cosi-expand-archive-xJ7vxKIY/perl-Mozilla-CA.spec

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=head1 NAME

Mozilla::CA - Mozilla's CA cert bundle in PEM format

## =head1 SYNOPSIS

```
use IO::Socket::SSL;
use Mozilla::CA;

my $host = "www.paypal.com";
my $client = IO::Socket::SSL->new(
PeerHost => "$host:443",
SSL_verify_mode => 0x02,
SSL_ca_file => Mozilla::CA::SSL_ca_file(),
)
|| die "Can't connect: $@";

$client->verify_hostname($host, "http")
|| die "hostname verification failure";
```

## =head1 DESCRIPTION

Mozilla::CA provides a copy of Mozilla's bundle of Certificate Authority certificates in a form that can be consumed by modules and libraries based on OpenSSL.

The module provide a single function:

=over

=item SSL\_ca\_file()

Returns the absolute path to the Mozilla's CA cert bundle PEM file.

=back

## =head1 SEE ALSO

L<<http://curl.haxx.se/docs/caextract.html>>

## =head1 LICENSE

For the bundled Mozilla CA PEM file the following applies:

=over

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Found in path(s):

```
* /opt/cola/permits/1345494047_1661989467.9909937/0/perl-Mozilla-CA-20160104-7.module_el8.5.0+2812+ed912d05.src.rpm-cosi-expand-archive-xJ7vxKIY/Mozilla-CA-20160104.tar.gz-cosi-expand-archive-3Vvjon9Y/Mozilla-CA-20160104/lib/Mozilla/CA.pm
No license file was found, but licenses were detected in source scan.
```

## NAME

Mozilla::CA - Mozilla's CA cert bundle in PEM format

## SYNOPSIS

```
use IO::Socket::SSL;
use Mozilla::CA;

my $host = "www.paypal.com";
my $client = IO::Socket::SSL->new(
 PeerHost => "$host:443",
 SSL_verify_mode => 0x02,
 SSL_ca_file => Mozilla::CA::SSL_ca_file(),
)
|| die "Can't connect: $@";

$client->verify_hostname($host, "http")
|| die "hostname verification failure";
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## DESCRIPTION

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## SEE ALSO

<<http://curl.haxx.se/docs/caextract.html>>

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```
* /opt/cola/permits/1345494047_1661989467.9909937/0/perl-Mozilla-CA-20160104-7.module_el8.5.0+2812+ed912d05.src.rpm-cosi-expand-archive-xJ7vxKIY/Mozilla-CA-20160104.tar.gz-cosi-expand-archive-3Vvjon9Y/Mozilla-CA-20160104/README
```

# 1.393 perl-io-socket-ssl 2.066-4.module\_el8.6.0+2811+fe6c84b0

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Found in path(s):

```
* /opt/cola/permits/1345494094_1661989483.7462482/0/perl-IO-Socket-SSL-2.066-4.module_el8.6.0+2811+fe6c84b0.src.rpm-cosi-expand-archive-0X12HeuT/IO-Socket-SSL-2.066.tar.gz-cosi-expand-archive-pGhmkBIu/IO-Socket-SSL-2.066/lib/IO/Socket/SSL/PublicSuffix.pm
```

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```
--- lib/IO/Socket/SSL.pm
```

```
+++ lib/IO/Socket/SSL.pm
```

```
@@ -172,11 +172,10 @@ my %DEFAULT_SSL_ARGS = (
```

```
 SSL_npn_protocols => undef, # meaning depends whether on server or client side
```

```
 SSL_alpn_protocols => undef, # list of protocols we'll accept/send, for example ['http/1.1','spdy/3.1']
```

```
- # https://wiki.mozilla.org/Security/Server_Side_TLS, 2019/03/05
```

```
- # "Old backward compatibility" for best compatibility
```

```
- # .. "Most ciphers that are not clearly broken and dangerous to use are supported"
```

```
- # slightly reordered to prefer AES since it is cheaper when hardware accelerated
```

```
- SSL_cipher_list => 'ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:DHE-RSA-AES128-GCM-SHA256:DHE-DSS-AES128-GCM-SHA256:kEDH+AESGCM:ECDHE-RSA-AES128-SHA256:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-AES128-SHA:ECDHE-ECDSA-AES128-SHA:ECDHE-RSA-AES256-SHA384:ECDHE-ECDSA-AES256-SHA384:ECDHE-RSA-AES256-SHA:ECDHE-ECDSA-AES256-SHA:DHE-RSA-AES128-SHA256:DHE-RSA-AES128-SHA:DHE-DSS-AES128-SHA256:DHE-RSA-AES256-SHA256:DHE-DSS-AES256-SHA:DHE-RSA-AES256-SHA:ECDHE-RSA-DES-CBC3-SHA:ECDHE-ECDSA-DES-CBC3-SHA:EDH-RSA-DES-CBC3-SHA:AES128-GCM-SHA256:AES256-GCM-SHA384:AES128-SHA256:AES256-SHA256:AES128-SHA:AES256-SHA:AES:DES-CBC3-
```

```
SHA:HIGH:SEED:!aNULL:!eNULL:!EXPORT:!DES:!RC4:!MD5:!PSK:!RSAPSK:!aDH:!aECDH:!EDH-DSS-DES-CBC3-SHA:!KRB5-DES-CBC3-SHA:!SRP,
```

```
+
```

```

 # Use system-wide default cipher list to support use of system-wide
+ # crypto policy (#1076390, #1127577, CPAN RT#97816)
+ # https://fedoraproject.org/wiki/Changes/CryptoPolicy
+ SSL_cipher_list => 'PROFILE=SYSTEM',
);

my %DEFAULT_SSL_CLIENT_ARGS = (
@@ -186,63 +185,6 @@ my %DEFAULT_SSL_CLIENT_ARGS = (
 SSL_ca_file => undef,
 SSL_ca_path => undef,

- # older versions of F5 BIG-IP hang when getting SSL client hello >255 bytes
-
- # http://support.f5.com/kb/en-us/solutions/public/13000/000/sol13037.html
- # http://guest:guest@rt.openssl.org/Ticket/Display.html?id=2771
- # Ubuntu worked around this by disabling TLSv1_2 on the client side for
- # a while. Later a padding extension was added to OpenSSL to work around
- # broken F5 but then IronPort croaked because it did not understand this
- # extension so it was disabled again :(
- # Firefox, Chrome and IE11 use TLSv1_2 but use only a few ciphers, so
- # that packet stays small enough. We try the same here.
-
- SSL_cipher_list => join(" ",
-
- # SSLabs report for Chrome 48/OSX.
- # This also includes the fewer ciphers Firefox uses.
- 'ECDHE-ECDSA-AES128-GCM-SHA256',
- 'ECDHE-RSA-AES128-GCM-SHA256',
- 'DHE-RSA-AES128-GCM-SHA256',
- 'ECDHE-ECDSA-CHACHA20-POLY1305',
- 'ECDHE-RSA-CHACHA20-POLY1305',
- 'ECDHE-ECDSA-AES256-SHA',
- 'ECDHE-RSA-AES256-SHA',
- 'DHE-RSA-AES256-SHA',
- 'ECDHE-ECDSA-AES128-SHA',
- 'ECDHE-RSA-AES128-SHA',
- 'DHE-RSA-AES128-SHA',
- 'AES128-GCM-SHA256',
- 'AES256-SHA',
- 'AES128-SHA',
- 'DES-CBC3-SHA',
-
- #
 IE11/Edge has some more ciphers, notably SHA384 and DSS
- # we don't offer the *-AES128-SHA256 and *-AES256-SHA384 non-GCM
- # ciphers IE/Edge offers because they look like a large mismatch
- # between a very strong HMAC and a comparably weak (but sufficient)
- # encryption. Similar all browsers which do SHA384 can do ECDHE

```



```

- # so skip the DHE*SHA384 ciphers.
- 'ECDHE-RSA-AES256-GCM-SHA384',
- 'ECDHE-ECDSA-AES256-GCM-SHA384',
- # 'ECDHE-RSA-AES256-SHA384',
- # 'ECDHE-ECDSA-AES256-SHA384',
- # 'ECDHE-RSA-AES128-SHA256',
- # 'ECDHE-ECDSA-AES128-SHA256',
- # 'DHE-RSA-AES256-GCM-SHA384',
- # 'AES256-GCM-SHA384',
- 'AES256-SHA256',
- # 'AES128-SHA256',
- 'DHE-DSS-AES256-SHA256',
- # 'DHE-DSS-AES128-SHA256',
- 'DHE-DSS-AES256-SHA',
- 'DHE-DSS-AES128-SHA',
- 'EDH-DSS-DES-CBC3-SHA',
-
- # Just to make sure, that we don't accidentally add bad ciphers above.
- # This includes dropping RC4 which is no longer
 supported by modern
- # browsers and also excluded in the SSL libraries of Python and Ruby.
- "!EXP !MEDIUM !LOW !eNULL !aNULL !RC4 !DES !MD5 !PSK !SRP"
-)
);

```

```

set values inside _init to work with perlcc, RT#95452
--- lib/IO/Socket/SSL.pod
+++ lib/IO/Socket/SSL.pod
@@ -1054,12 +1054,8 @@ documentation (L<http://www.openssl.org/
for more details.

```

Unless you fail to contact your peer because of no shared ciphers it is recommended to leave this option at the default setting. The default setting prefers ciphers with forward secrecy, disables anonymous authentication and disables known insecure ciphers like MD5, DES etc. This gives a grade A result at the tests of SSL Labs.

-To use the less secure OpenSSL builtin default (whatever this is) set `-SSL_cipher_list` to "".

+recommended to leave this option at the default setting, which honors the +system-wide `PROFILE=SYSTEM` cipher list.

In case different cipher lists are needed for different SNI hosts a hash can be given with the host as key and the cipher suite as value, similar to

Found in path(s):

```

* /opt/cola/permits/1345494094_1661989483.7462482/0/perl-IO-Socket-SSL-2.066-
4.module_el8.6.0+2811+fe6c84b0.src.rpm-cosi-expand-archive-0X12HeuT/IO-Socket-SSL-2.066-use-system-

```

default-cipher-list.patch

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\* /opt/cola/permits/1345494094\_1661989483.7462482/0/perl-IO-Socket-SSL-2.066-

4.module\_el8.6.0+2811+fe6c84b0.src.rpm-cosi-expand-archive-0X12HeuT/perl-IO-Socket-SSL.spec

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---

abstract: 'Nearly transparent SSL encapsulation for IO::Socket::INET.'

author:

- 'Steffen Ullrich <sullr@cpan.org>, Peter Behroozi, Marko Asplund'

build\_requires:

ExtUtils::MakeMaker: '0'

configure\_requires:

ExtUtils::MakeMaker: '0'

Net::SSLeay: '1.46'

dynamic\_config: 1

generated\_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: '1.4'

name: IO-Socket-SSL

no\_index:

directory:

- t

- inc

requires:

Mozilla::CA: '0'

Net::SSLeay: '1.46'

Scalar::Util: '0'

resources:

bugtracker: <https://rt.cpan.org/Dist/Display.html?Queue=IO-Socket-SSL>

homepage: <https://github.com/noxxi/p5-io-socket-ssl>

license: <http://dev.perl.org/licenses/>

repository: <https://github.com/noxxi/p5-io-socket-ssl>

version: '2.066'

x\_serialization\_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):

\*

/opt/cola/permits/1345494094\_1661989483.7462482/0/perl-IO-Socket-SSL-2.066-

4.module\_el8.6.0+2811+fe6c84b0.src.rpm-cosi-expand-archive-0X12HeuT/IO-Socket-SSL-2.066.tar.gz-cosi-expand-archive-pGhmkbIu/IO-Socket-SSL-2.066/META.yml

No license file was found, but licenses were detected in source scan.

=head1 NAME

IO::Socket::SSL - SSL sockets with IO::Socket interface

=head1 SYNOPSIS

```
use strict;
use IO::Socket::SSL;

simple client
my $cl = IO::Socket::SSL->new('www.google.com:443');
print $cl "GET / HTTP/1.0\r\n\r\n";
print <$cl>;

simple server
my $srv = IO::Socket::SSL->new(
LocalAddr => '0.0.0.0:1234',
Listen => 10,
SSL_cert_file => 'server-cert.pem',
SSL_key_file => 'server-key.pem',
);
$srv->accept;
```

=head1 DESCRIPTION

IO::Socket::SSL makes using SSL/TLS much easier by wrapping the necessary functionality into the familiar L<IO::Socket> interface and providing secure defaults whenever possible.

This way, existing applications can be made SSL-aware without much effort, at least if you do blocking I/O and don't use select or poll.

But, under the hood, SSL is a complex beast.

So there are lots of methods to make it do what you need if the default behavior is not adequate.

Because it is easy to inadvertently introduce critical security bugs or just hard to debug problems, I would recommend studying the following documentation carefully.

The documentation consists of the following parts:

=over 4

=item \* L<"/Essential Information About SSL/TLS">

=item \* L<"/Basic SSL Client">

- =item \* L</"Basic SSL Server">
- =item \* L</"Common Usage Errors">
- =item \* L</"Common Problems with SSL">
- =item \* L</"Using Non-Blocking Sockets">
- =item \* L</"Advanced Usage">
- =item \* L</"Integration Into Own Modules">
- =item \* L</"Description Of Methods">
- =back

Additional documentation can be found in

- =over 4
- =item \* L<IO::Socket::SSL::Intercept> - Doing Man-In-The-Middle with SSL
- =item \* L<IO::Socket::SSL::Utils> - Useful functions for certificates etc
- =back

## =head1 Essential Information About SSL/TLS

SSL (Secure Socket Layer) or its successor TLS (Transport Layer Security) are protocols to facilitate end-to-end security. These protocols are used when accessing web sites (https), delivering or retrieving email, and in lots of other use cases.

In the following documentation we will refer to both SSL and TLS as simply 'SSL'.

SSL enables end-to-end security by providing two essential functions:

- =over 4
- =item Encryption

This part encrypts the data for transit between the communicating parties, so that nobody in between can read them. It also provides tamper resistance so that nobody in between can manipulate the data.

- =item Identification

This part makes sure that you talk to the right peer.

If the identification is done incorrectly it is easy to mount man-in-the-middle attacks, e.g. if Alice wants to talk to Bob it would be possible for Mallory to put itself in the middle, so that Alice talks to Mallory and Mallory to Bob.

All the data would still be encrypted, but not end-to-end between Alice and Bob, but only between Alice and Mallory and then between Mallory and Bob.

Thus Mallory would be able to read and modify all traffic between Alice and Bob.

=back

Identification is the part which is the hardest to understand and the easiest to get wrong.

With SSL, the Identification is usually done with B<certificates> inside a B<PKI> (Public Key Infrastructure).

These Certificates are comparable to an identity card, which contains information about the owner of the card. The card then is somehow B<signed> by the B<issuer> of the card, the B<CA> (Certificate Agency).

To verify the identity of the peer the following must be done inside SSL:

=over 4

=item \*

Get the certificate from the peer.

If the peer does not present a certificate we cannot verify it.

=item \*

Check if we trust the certificate, e.g. make sure it's not a forgery.

We believe that a certificate is not a fake if we either know the certificate already or if we B<trust> the issuer (the CA) and can verify the issuers signature on the certificate.

In reality there is often a hierarchy of certificate agencies and we only directly trust the root of this hierarchy.

In this case the peer not only sends his own certificate, but also all B<intermediate certificates>.

Verification will be done by building a B<trust path> from the trusted root up to the peers certificate and checking in each step if the we can verify the issuer's signature.

This step often causes problems because the client does not know the necessary trusted root certificates. These are usually stored in a system dependent

CA store, but often the browsers have their own CA store.

=item \*

Check if the certificate is still valid.

Each certificate has a lifetime and should not be used after that time because it might be compromised or the underlying cryptography got broken in the mean time.

=item \*

Check if the subject of the certificate matches the peer.

This is like comparing the picture on the identity card against the person representing the identity card.

When connecting to a server this is usually done by comparing the hostname used for connecting against the names represented in the certificate.

A certificate might contain multiple names or wildcards, so that it can be used for multiple hosts (e.g. \*.example.com and \*.example.org).

Although nobody sane would accept an identity card where the picture does not match the person we see, it is a common implementation error with SSL to omit this check or get it wrong.

=item \*

Check if the certificate was revoked by the issuer.

This might be the case if the certificate was compromised somehow and now somebody else might use it to claim the wrong identity.

Such revocations happened a lot after the heartbleed attack.

For SSL there are two ways to verify a revocation, CRL and OCSP.

With CRLs (Certificate Revocation List) the CA provides a list of serial numbers for revoked certificates. The client somehow has to download the list (which can be huge) and keep it up to date.

With OCSP (Online Certificate Status Protocol) the client can check a single certificate directly by asking the issuer.

Revocation

is the hardest part of the verification and none of today's browsers get it fully correct. But, they are still better than most other implementations which don't implement revocation checks or leave the hard parts to the developer.

=back

When accessing a web site with SSL or delivering mail in a secure way the

identity is usually only checked one way, e.g. the client wants to make sure it talks to the right server, but the server usually does not care which client it talks to.

But, sometimes the server wants to identify the client too and will request a certificate from the client which the server must verify in a similar way.

## =head1 Basic SSL Client

A basic SSL client is simple:

```
my $client = IO::Socket::SSL->new('www.example.com:443')
or die "error=$!, ssl_error=$SSL_ERROR";
```

This will take the OpenSSL default CA store as the store for the trusted CA.

This usually works on UNIX systems.

If there are no certificates in the store it will try use L<Mozilla::CA> which provides

the default CAs of Firefox.

In the default settings, L<IO::Socket::SSL> will use a safer cipher set and SSL version, do a proper hostname check against the certificate, and use SNI (server name indication) to send the hostname inside the SSL handshake. This is necessary to work with servers which have different certificates behind the same IP address.

It will also check the revocation of the certificate with OCSP, but currently only if the server provides OCSP stapling (for deeper checks see C<ocsp\_resolver> method).

Lots of options can be used to change ciphers, SSL version, location of CA and much more. See documentation of methods for details.

With protocols like SMTP it is necessary to upgrade an existing socket to SSL.

This can be done like this:

```
my $client = IO::Socket::INET->new('mx.example.com:25') or die $!;
.. read greeting from server
.. send EHLO and read response
.. send STARTTLS command and read response
.. if response was successful we
can upgrade the socket to SSL now:
IO::Socket::SSL->start_SSL($client,
explicitly set hostname we should use for SNI
SSL_hostname => 'mx.example.com'
) or die $SSL_ERROR;
```

A more complete example for a simple HTTP client:

```

my $client = IO::Socket::SSL->new(
where to connect
PeerHost => "www.example.com",
PeerPort => "https",

certificate verification - VERIFY_PEER is default
SSL_verify_mode => SSL_VERIFY_PEER,

location of CA store
need only be given if default store should not be used
SSL_ca_path => '/etc/ssl/certs', # typical CA path on Linux
SSL_ca_file => '/etc/ssl/cert.pem', # typical CA file on BSD

or just use default path on system:
IO::Socket::SSL::default_ca(), # either explicitly
or implicitly by not giving SSL_ca_*

easy hostname verification
It will use PeerHost as default name a verification
scheme as default, which is safe enough for most purposes.
SSL_verifycn_name => 'foo.bar',
SSL_verifycn_scheme => 'http',

SNI
support - defaults to PeerHost
SSL_hostname => 'foo.bar',

) or die "failed connect or ssl handshake: $!, $SSL_ERROR";

send and receive over SSL connection
print $client "GET / HTTP/1.0\r\n\r\n";
print <$client>;

And to do revocation checks with OCSP (only available with OpenSSL 1.0.0 or
higher and L<Net::SSL> 1.59 or higher):

default will try OCSP stapling and check only leaf certificate
my $client = IO::Socket::SSL->new($dst);

better yet: require checking of full chain
my $client = IO::Socket::SSL->new(
PeerAddr => $dst,
SSL_ocsp_mode => SSL_OCSP_FULL_CHAIN,
);

even better: make OCSP errors fatal
(this will probably fail with lots of sites because of bad OCSP setups)
also use common OCSP response cache

```



```

my $ocsp_cache = IO::Socket::SSL::OCSP_Cache->new;
my $client = IO::Socket::SSL->new(
PeerAddr => $dst,
SSL_ocsp_mode => SSL_OCSP_FULL_CHAIN|SSL_OCSP_FAIL_HARD,
SSL_ocsp_cache => $ocsp_cache,
);

#
disable OCSP stapling in case server has problems with it
my $client = IO::Socket::SSL->new(
PeerAddr => $dst,
SSL_ocsp_mode => SSL_OCSP_NO_STAPLE,
);

check any certificates which are not yet checked by OCSP stapling or
where we have already cached results. For your own resolving combine
$ocsp->requests with $ocsp->add_response(uri,response).
my $ocsp = $client->ocsp_resolver();
my $errors = $ocsp->resolve_blocking();
if ($errors) {
warn "OCSP verification failed: $errors";
close($client);
}

```

#### =head1 Basic SSL Server

A basic SSL server looks similar to other L<IO::Socket> servers, only that it also contains settings for certificate and key:

```

simple server
my $server = IO::Socket::SSL->new(
where to listen
LocalAddr => '127.0.0.1',
LocalPort => 8080,
Listen => 10,

which certificate to offer
with SNI support there can be different certificates per hostname
SSL_cert_file => 'cert.pem',
SSL_key_file => 'key.pem',

) or die "failed to listen: $!";

accept client
my $client = $server->accept or die
"failed to accept or ssl handshake: $!, $SSL_ERROR";

```

This will automatically use a secure set of ciphers and SSL version and also

supports Forward Secrecy with (Elliptic-Curve) Diffie-Hellmann Key Exchange.

If you are doing a forking or threading server, we recommend that you do the SSL handshake inside the new process/thread so that the master is free for new connections.

We recommend this because a client with improper or slow SSL handshake could make the server block in the handshake which would be bad to do on the listening socket:

```
inet server
my $server = IO::Socket::INET->new(
where to listen
LocalAddr => '127.0.0.1',
LocalPort => 8080,
Listen => 10,
);

accept client
my $client = $server->accept or die;

SSL upgrade client (in new process/thread)
IO::Socket::SSL->start_SSL($client,
SSL_server => 1,
SSL_cert_file => 'cert.pem',
SSL_key_file =>
'key.pem',
) or die "failed to ssl handshake: $SSL_ERROR";
```

Like with normal sockets, neither forking nor threading servers scale well.

It is recommended to use non-blocking sockets instead, see

[L<"/Using Non-Blocking Sockets">](#)

=head1 Common Usage Errors

This is a list of typical errors seen with the use of [L<IO::Socket::SSL>](#):

=over 4

=item \*

Disabling verification with [C<SSL\\_verify\\_mode>](#).

As described in [L<"/Essential Information About SSL/TLS">](#), a proper identification of the peer is essential and failing to verify makes Man-In-The-Middle attacks possible.

Nevertheless, lots of scripts and even public modules or applications disable verification, because it is probably the easiest way to make the thing work

and usually nobody notices any security problems anyway.

If the verification does not succeed with the default settings, one can do the following:

=over 8

=item \*

Make sure the needed CAs are in the store, maybe use C<SSL\_ca\_file> or C<SSL\_ca\_path> to specify a different CA store.

=item \*

If the validation fails because the certificate is self-signed and that's what you expect, you can use the C<SSL\_fingerprint> option to accept specific leaf certificates by their certificate or pubkey fingerprint.

=item \*

If the validation failed because the hostname does not match and you cannot access the host with the name given in the certificate, you can use C<SSL\_verifycn\_name> to specify the hostname you expect in the certificate.

=back

A common error pattern is also to disable verification if they found no CA store (different modules look at different "default" places).

Because L<IO::Socket::SSL> is now able to provide a usable CA store on most platforms (UNIX, Mac OSX and Windows) it is better to use the defaults provided by L<IO::Socket::SSL>.

If necessary these can be checked with the C<default\_ca> method.

=item \*

Polling of SSL sockets (e.g. select, poll and other event loops).

If you sysread one byte on a normal socket it will result in a syscall to read

one byte. Thus, if more than one byte is available on the socket it will be kept in the network stack of your OS and the next select or poll call will return the socket as readable.

But, with SSL you don't deliver single bytes. Multiple data bytes are packaged and encrypted together in an SSL frame. Decryption can only be done on the whole frame, so a sysread for one byte actually reads the complete SSL frame from the socket, decrypts it and returns the first decrypted byte. Further sysreads will return more bytes from the same frame until all bytes are returned and the

next SSL frame will be read from the socket.

Thus, in order to decide if you can read more data (e.g. if `sysread` will block) you must check if there are still data in the current SSL frame by calling `C<pending>` and if there are no data pending you might check the underlying socket with `select` or `poll`.

Another way might be if you try to `sysread` at least 16kByte all the time. 16kByte is the maximum size of an SSL frame and because `sysread` returns data from only a single SSL frame you can guarantee that there are no pending data.

See also [L<"/Using Non-Blocking Sockets">](#).

=item \*

Expecting exactly the same behavior as plain sockets.

`IO::Socket::SSL` tries to emulate the usual socket behavior as good as possible, but full emulation can not be done. Specifically a read on the SSL socket might also result in a write on the TCP socket or a write on the SSL socket might result in a read on the TCP socket. Also `C<accept>` and `B<close>` on the SSL socket will result in writing and reading data to the TCP socket too.

Especially the hidden writes might result in a connection reset if the underlying TCP socket is already closed by the peer. Unless signal PIPE is explicitly handled by the application this will usually result in the application crashing. It is thus recommended to explicitly IGNORE signal PIPE so that the errors get propagated as EPIPE instead of causing a crash of the application.

=item  
\*

Set `'SSL_version'` or `'SSL_cipher_list'` to a "better" value.

`L<IO::Socket::SSL>` tries to set these values to reasonable, secure values which are compatible with the rest of the world.

But, there are some scripts or modules out there which tried to be smart and get more secure or compatible settings.

Unfortunately, they did this years ago and never updated these values, so they are still forced to do only 'TLSv1' (instead of also using TLSv12 or TLSv11). Or they set 'HIGH' as the cipher list and thought they were secure, but did not notice that 'HIGH' includes anonymous ciphers, e.g. without identification of the peer.

So it is recommended to leave the settings at the secure defaults which `L<IO::Socket::SSL>` sets and which get updated from time to time to

better fit the real world.

=item \*

Make SSL settings inaccessible by the user, together with bad builtin settings.

Some modules use L<IO::Socket::SSL>, but don't make the SSL settings available to the user. This is often combined with bad builtin settings or defaults (like switching verification off).

Thus the user needs to hack around these restrictions by using C<set\_args\_filter\_hack> or similar.

=item \*

Use of constants as strings.

Constants like C<SSL\_VERIFY\_PEER> or C<SSL\_WANT\_READ> should be used as constants and not be put inside quotes, because they represent numerical values.

=item \*

Forking and handling the socket in parent and child.

A B<fork> of the process will duplicate the internal user space SSL state of the socket. If both master and child interact with the socket by using their own SSL state strange error messages will happen. Such interaction includes explicit or implicit B<close> of the SSL socket. To avoid this the socket should be explicitly closed with B<SSL\_no\_shutdown>.

=item \*

Forking and executing a new process.

Since the SSL state is stored in user space it will be duplicated by a B<fork> but it will be lost when doing B<exec>. This means it is not possible to simply redirect stdin and stdout for the new process to the SSL socket by duplicating the relevant file handles. Instead explicitly exchanging plain data between child-process and SSL socket are needed.

=back

=head1 Common Problems with SSL

SSL is a complex protocol with multiple implementations and each of these has their own quirks. While most of these implementations work together, it often gets problematic with older versions, minimal versions in load balancers, or plain wrong setups.

Unfortunately these problems are hard to debug.

Helpful for debugging are a knowledge of SSL internals, Wireshark and the use of the debug settings of `L<IO::Socket::SSL>` and `L<Net::SSLLeay>`, which can both be set with `C<$IO::Socket::SSL::DEBUG>`.

The following debug levels are defined, but used not in any consistent way:

=over 4

=item \*

0 - No debugging (default).

=item \*

1 - Print out errors from `L<IO::Socket::SSL>` and ciphers from `L<Net::SSLLeay>`.

=item \*

2 - Print also information about call flow from `L<IO::Socket::SSL>` and progress information from `L<Net::SSLLeay>`.

=item \*

3 - Print also some data dumps from `L<IO::Socket::SSL>` and from `L<Net::SSLLeay>`.

=back

Also, `C<analyze-ssl.pl>` from the `ssl-tools` repository at `L<https://github.com/noxxi/p5-ssl-tools>` might be a helpful tool when debugging SSL problems, as do the `C<openssl>` command line tool and a check with a different SSL implementation (e.g. a web browser).

The following problems are not uncommon:

=over 4

=item \*

Bad server setup: missing intermediate certificates.

It is a regular problem that administrators fail to include all necessary certificates into their server setup, e.g. everything needed to build the trust

chain from the trusted root.

If they check the setup with the browser everything looks ok, because browsers work around these problems by caching any intermediate certificates and apply them to new connections if certificates are missing.

But, fresh browser profiles which have never seen these intermediates cannot fill in the missing certificates and fail to verify; the same is true with L<IO::Socket::SSL>.

=item \*

Old versions of servers or load balancers which do not understand specific TLS versions or croak on specific data.

From time to time one encounters an SSL peer, which just closes the connection inside the SSL handshake. This can usually be worked around by downgrading the SSL version, e.g. by setting C<SSL\_version>. Modern Browsers usually deal with such servers by automatically downgrading the SSL version and repeat the connection attempt until they succeed.

Worse servers do not close the underlying TCP connection but instead just drop the relevant packet. This is harder to detect because it looks like a stalled connection. But downgrading the SSL version often works here too.

A cause of such problems are often load balancers or security devices, which have hardware acceleration and only a minimal (and less robust) SSL stack. They can often be detected because they support much fewer ciphers than other implementations.

=item \*

Bad or old OpenSSL versions.

L<IO::Socket::SSL> uses OpenSSL with the help of the L<Net::SSLeay> library. It is recommend to have a recent version of this library, because it has more features and usually fewer known bugs.

=item \*

Validation of client certificates fail.

Make sure that the purpose of the certificate allows use as ssl client (check with C<< openssl x509 -purpose >>, that the necessary root certificate is in the path specified by C<SSL\_ca\*> (or the default path) and that any intermediate certificates needed to build the trust chain are sent by the client.

=item \*

Validation of self-signed certificate fails even if it is given with C<SSL\_ca\*> argument.

The C<SSL\_ca\*> arguments do not give a general trust store for arbitrary certificates but only specify a store for CA certificates which then can be used to verify other certificates. This especially means that certificates which are not a

CA get simply ignored, notably self-signed certificates which do not also have the CA-flag set.

This behavior of OpenSSL differs from the more general trust-store concept which can be found in browsers and where it is possible to simply added arbitrary certificates (CA or not) as trusted.

=back

=head1 Using Non-Blocking Sockets

If you have a non-blocking socket, the expected behavior on read, write, accept or connect is to set C<\$!> to EWOULDBLOCK if the operation cannot be completed immediately. Note that EWOULDBLOCK is the same as EAGAIN on UNIX systems, but is different on Windows.

With SSL, handshakes might occur at any time, even within an established connection. In these cases it is necessary to finish the handshake before you can read or write data. This might result in situations where you want to read but must first finish the write of a handshake or where you want to write but must first finish a read.

In these cases C<\$!> is set to EAGAIN like expected, and additionally C<\$\$SSL\_ERROR>

is set to either SSL\_WANT\_READ or SSL\_WANT\_WRITE.

Thus if you get EWOULDBLOCK on a SSL socket you must check C<\$\$SSL\_ERROR> for SSL\_WANT\_\* and adapt your event mask accordingly.

Using readline on non-blocking sockets does not make much sense and I would advise against using it.

And, while the behavior is not documented for other L<IO::Socket> classes, it will try to emulate the behavior seen there, e.g. to return the received data instead of blocking, even if the line is not complete. If an unrecoverable error occurs it will return nothing, even if it already received some data.

Also, I would advise against using C<accept> with a non-blocking SSL object because it might block and this is not what most would expect. The reason for



this is that C<accept> on a non-blocking TCP socket (e.g. L<IO::Socket::IP>, L<IO::Socket::INET>..) results in a new TCP socket which does not inherit the non-blocking behavior of the master socket. And thus, the initial SSL handshake on the new socket inside C<IO::Socket::SSL::accept> will be done in a blocking way. To work around this you are safer by doing a TCP accept and later upgrade the TCP socket in a non-blocking way with C<start\_SSL> and C<accept\_SSL>.

```

my $cl = IO::Socket::SSL->new($dst);
$cl->blocking(0);
my $sel = IO::Select->new($cl);
while (1) {
with SSL a call for reading n bytes does not result in reading of n
bytes from the socket, but instead it must read at least one full SSL
frame. If the socket has no new bytes, but there are unprocessed data
from the SSL frame can_read will block!

wait for data on socket
$sel->can_read();

new data on socket or eof
READ:
this does not read only 1 byte from socket, but reads the complete SSL
frame and then just returns one byte. On subsequent calls it than
returns more byte of the same SSL frame until it needs to read the
next frame.
my $n = sysread($cl,my $buf,1);
if (! defined $n) {
 die $! if not ${EWOULDBLOCK};

 next if $SSL_ERROR == SSL_WANT_READ;
 if ($SSL_ERROR == SSL_WANT_WRITE) {
need to write data on renegotiation
$sel->can_write;
next;
 }
 die "something went wrong: $SSL_ERROR";
} elsif (! $n) {
 last; # eof
} else {
 # read next bytes
 # we might have still data within the current SSL frame
 # thus first process these data instead of waiting on the underlying
 # socket object
 goto READ if $cl->pending; # goto sysread
 next; # goto $sel->can_read
}
}
}

```

Additionally there are differences to plain sockets when using `select`, `poll`, `kqueue` or similar technologies to get notified if data are available. Relying only on these calls is not sufficient in all cases since unread data might be internally buffered in the SSL stack. To detect such buffering `B<pending()>` need to be used. Alternatively the buffering can be avoided by using `B<sysread>` with the maximum size of an SSL frame. See [L</"Common Usage Errors">](#) for details.

## =head1 Advanced Usage

### =head2 SNI Support

Newer extensions to SSL can distinguish between multiple hostnames on the same IP address using Server Name Indication (SNI).

Support for SNI on the client side was added somewhere in the OpenSSL 0.9.8 series, but with 1.0 a bug was fixed when the server could not decide about its hostname. Therefore client side SNI is only supported with OpenSSL 1.0 or higher in `L<IO::Socket::SSL>`.

With a supported version, SNI is used automatically on the client side, if it can determine the hostname from `C<PeerAddr>` or `C<PeerHost>` (which are synonyms in the underlying `IO::Socket::` classes and thus should never be set both or at least not to different values).

On unsupported OpenSSL versions it will silently not use SNI.

The hostname can also be given explicitly given with `C<SSL_hostname>`, but in this case it will throw in error, if SNI is not supported.

To check for support you might call `C<< IO::Socket::SSL->can_client_sni() >>`.

On

the server side, earlier versions of OpenSSL are supported, but only together with `L<Net::SSLeay>` version `>= 1.50`.

To check for support you might call `C<< IO::Socket::SSL->can_server_sni() >>`.

If server side SNI is supported, you might specify different certificates per host with `C<SSL_cert*>` and `C<SSL_key*>`, and check the requested name using `C<get_servername>`.

### =head2 Talk Plain and SSL With The Same Socket

It is often required to first exchange some plain data and then upgrade the socket to SSL after some kind of STARTTLS command. Protocols like FTPS even need a way to downgrade the socket again back to plain.

The common way to do this would be to create a normal socket and use `C<start_SSL>` to upgrade and `stop_SSL` to downgrade:

```

my $sock = IO::Socket::INET->new(...) or die $!;
... exchange plain data on $sock until starttls command ...
IO::Socket::SSL->start_SSL($sock,%sslargs) or die $SSL_ERROR;
... now $sock is an IO::Socket::SSL object ...
... exchange data
with SSL on $sock until stoptls command ...
$sock->stop_SSL or die $SSL_ERROR;
... now $sock is again an IO::Socket::INET object ...

```

But, lots of modules just derive directly from L<IO::Socket::INET>.

While this base class can be replaced with L<IO::Socket::SSL>, these modules cannot easily support different base classes for SSL and plain data and switch between these classes on a starttls command.

To help in this case, L<IO::Socket::SSL> can be reduced to a plain socket on startup, and connect\_SSL/accept\_SSL/start\_SSL can be used to enable SSL and C<stop\_SSL> to talk plain again:

```

my $sock = IO::Socket::SSL->new(
PeerAddr => ...
SSL_startHandshake => 0,
%sslargs
) or die $!;
... exchange plain data on $sock until starttls command ...
$sock->connect_SSL or die $SSL_ERROR;
... now $sock is an IO::Socket::SSL object ...
... exchange data with SSL on $sock until stoptls command ...
$sock->stop_SSL or die $SSL_ERROR;
... $sock is still an IO::Socket::SSL
object ...
... but data exchanged again in plain ...

```

## =head1 Integration Into Own Modules

L<IO::Socket::SSL> behaves similarly to other L<IO::Socket> modules and thus could be integrated in the same way, but you have to take special care when using non-blocking I/O (like for handling timeouts) or using select or poll. Please study the documentation on how to deal with these differences.

Also, it is recommended to not set or touch most of the C<SSL\_\*> options, so that they keep their secure defaults. It is also recommended to let the user override these SSL specific settings without the need of global settings or hacks like C<set\_args\_filter\_hack>.

The notable exception is C<SSL\_verifycn\_scheme>.

This should be set to the hostname verification scheme required by the module or protocol.

## =head1 Description Of Methods

L<IO::Socket::SSL> inherits from another L<IO::Socket> module.

The choice of the super class depends on the installed modules:

=over 4

=item \*

If

L<IO::Socket::IP> with at least version 0.20 is installed it will use this module as super class, transparently providing IPv6 and IPv4 support.

=item \*

If L<IO::Socket::INET6> is installed it will use this module as super class, transparently providing IPv6 and IPv4 support.

=item \*

Otherwise it will fall back to L<IO::Socket::INET>, which is a perl core module. With L<IO::Socket::INET> you only get IPv4 support.

=back

Please be aware that with the IPv6 capable super classes, it will look first for the IPv6 address of a given hostname. If the resolver provides an IPv6 address, but the host cannot be reached by IPv6, there will be no automatic fallback to IPv4.

To avoid these problems you can enforce IPv4 for a specific socket by using the C<Domain> or C<Family> option with the value AF\_INET as described in L<IO::Socket::IP>. Alternatively you can enforce IPv4 globally by loading L<IO::Socket::SSL> with the option 'inet4', in which case it will use the IPv4 only class L<IO::Socket::INET> as the super class.

L<IO::Socket::SSL> will provide all of the methods of its super class, but sometimes it will override them to match the behavior expected from SSL or to provide additional arguments.

The new or changed methods are described below, but please also read the section about SSL specific error handling.

=over 4

## =item Error Handling

If an SSL specific error occurs, the global variable C<\$\$SSL\_ERROR> will be set.

If the error occurred on an existing SSL socket, the method C<errstr> will give access to the latest socket specific error.

Both C<\$\$SSL\_ERROR> and the C<errstr> method give a dualvar similar to C<\$!>, e.g. providing an error number in numeric context or an error description in string context.

## =item B<new(...)>

Creates a new L<IO::Socket::SSL> object. You may use all the friendly options that came bundled with the super class (e.g. L<IO::Socket::IP>, L<IO::Socket::INET>, ...) plus (optionally) the ones described below.

If you don't specify any SSL

related options it will do its best in using

secure defaults, e.g. choosing good ciphers, enabling proper verification, etc.

## =over 2

## =item SSL\_server

Set this option to a true value if the socket should be used as a server.

If this is not explicitly set it is assumed if the C<Listen> parameter is given when creating the socket.

## =item SSL\_hostname

This can be given to specify the hostname used for SNI, which is needed if you have multiple SSL hostnames on the same IP address. If not given it will try to determine the hostname from C<PeerAddr>, which will fail if only an IP was given or if this argument is used within C<start\_SSL>.

If you want to disable SNI, set this argument to "".

Currently only supported for the client side and will be ignored for the server side.

See section "SNI Support" for details of SNI the support.

## =item SSL\_startHandshake

If this option is set to false (defaults to true) it will not start the SSL handshake yet. This has to be done later with C<accept\_SSL> or C<connect\_SSL>.

Before the handshake is started read/write/etc. can be used to exchange plain

data.

=item SSL\_keepSocketOnError

If this option is set to true (defaults to false) it will not close the underlying TCP socket on errors. In most cases there is no real use for this behavior since both sides of the TCP connection will probably have a different idea of the current state of the connection.

=item SSL\_ca | SSL\_ca\_file | SSL\_ca\_path

Usually you want to verify that the peer certificate has been signed by a trusted certificate authority. In this case you should use this option to specify the file (C<SSL\_ca\_file>) or directory (C<SSL\_ca\_path>) containing the certificateZ<>(s) of the trusted certificate authorities.

C<SSL\_ca\_path> can also be an array or a string containing multiple path, where the path are separated by the platform specific separator. This separator is C<;> on DOS, Windows, Netware, C<,> on VMS and C<:> for all the other systems. If multiple path are given at least one of these must be accessible.

You can also give a list of X509\* certificate handles (like you get from L<Net::SSLey> or L<IO::Socket::SSL::Utils::PEM\_xxx2cert>) with C<SSL\_ca>. These will be added to the CA store before path and file and thus take precedence. If neither SSL\_ca, nor SSL\_ca\_file or SSL\_ca\_path are set it will use C<default\_ca()> to determine the user-set or system defaults. If you really don't want to set a CA set SSL\_ca\_file or SSL\_ca\_path to C<\undef> or SSL\_ca to an empty list. (unfortunately C<"> is used by some modules using L<IO::Socket::SSL> when CA is not explicitly given).

=item SSL\_client\_ca | SSL\_client\_ca\_file

If verify\_mode is VERIFY\_PEER on the server side these options can be used to set the list of acceptable CAs for the client. This way the client can select they required certificate from a list of certificates.

The value for these options is similar to C<SSL\_ca> and C<SSL\_ca\_file>.

=item SSL\_fingerprint

Sometimes you have a self-signed certificate or a certificate issued by an unknown CA and you really want to accept it, but don't want to disable verification at all. In this case you can specify the fingerprint of the certificate as C<'algo\$hex\_fingerprint'>. C<algo> is a fingerprint algorithm supported by OpenSSL, e.g. 'sha1','sha256'... and C<hex\_fingerprint> is the hexadecimal representation of the binary fingerprint. Any colons inside the hex string will be ignored.

If you want to use the fingerprint of the pubkey inside the certificate instead of the certificate use the syntax `C<'algo$pub$hex_fingerprint'` instead. To get the fingerprint of an established connection you can use `C<get_fingerprint>`.

It is also possible to skip `C<algo$>`, i.e. only specify the fingerprint. In this case the likely algorithms will be automatically detected based on the length of the digest string.

You can specify a list of fingerprints in case you have several acceptable certificates.

If a fingerprint matches the topmost (i.e. leaf) certificate no additional validations can make the verification fail.

`=item SSL_cert_file | SSL_cert | SSL_key_file | SSL_key`

If you create a server you usually need to specify a server certificate which should be verified by the client. Same is true for client certificates, which should be verified by the server.

The certificate can be given as a file with `SSL_cert_file` or as an internal representation of an X509\* object (like you get from `L<Net::SSL>` or `L<IO::Socket::SSL::Utils::PEM_xxx2cert>`) with `SSL_cert`.

If given as a file it will automatically detect the format.

Supported file formats are PEM, DER and PKCS#12, where PEM and PKCS#12 can contain the certificate and the chain to use, while DER can only contain a single certificate.

If given as a list of X509\* please note, that the all the chain certificates (e.g. all except the first) will be "consumed" by openssl and will be freed if the SSL context gets destroyed - so you should never free them yourself. But the servers

certificate (e.g. the first) will not be consumed by openssl and thus must be freed by the application.

For each certificate a key is need, which can either be given as a file with `SSL_key_file` or as an internal representation of an EVP\_PKEY\* object with `SSL_key` (like you get from `L<Net::SSL>` or `L<IO::Socket::SSL::Utils::PEM_xxx2key>`).

If a key was already given within the PKCS#12 file specified by `SSL_cert_file` it will ignore any `SSL_key` or `SSL_key_file`.

If no `SSL_key` or `SSL_key_file` was given it will try to use the PEM file given with `SSL_cert_file` again, maybe it contains the key too.

If your SSL server should be able to use different certificates on the same IP address, depending on the name given by SNI, you can use a hash reference instead of a file with `C<<hostname => cert_file>>`.

If your SSL server should be able to use both RSA and ECDSA certificates for the same domain/IP a similar hash reference like with SNI is given. The domain names used to specify the additional certificates should be C<hostname%whatever>, i.e. C<hostname%ecc> or similar. This needs at least OpenSSL 1.0.2. To let the server pick the certificate based on the clients cipher preference C<SSL\_honor\_cipher\_order> should be set to false.

In case certs and keys are needed but not given it might fall back to builtin defaults, see "Defaults for Cert, Key and CA".

Examples:

```
SSL_cert_file => 'mycert.pem',
SSL_key_file => 'mykey.pem',
```

```
SSL_cert_file => {
 "foo.example.org" => 'foo-cert.pem',
 "foo.example.org%ecc" => 'foo-ecc-cert.pem',
 "bar.example.org" => 'bar-cert.pem',
 # used when nothing matches or client does not support SNI
 " => 'default-cert.pem',
 '%ecc' => 'default-ecc-cert.pem',
},
SSL_key_file => {
 "foo.example.org" => 'foo-key.pem',
 "foo.example.org%ecc" => 'foo-ecc-key.pem',
 "bar.example.org" => 'bar-key.pem',
 # used when nothing matches or client does not support SNI
 " => 'default-key.pem',
 '%ecc' => 'default-ecc-key.pem',
}
```

```
=item SSL_passwd_cb
```

If your private key is encrypted, you might not want the default password prompt from Net::SSLLeay. This option takes a reference to a subroutine that should return the password required to decrypt your private key.

```
=item SSL_use_cert
```

If this is true, it forces IO::Socket::SSL to use a certificate and key, even if you are setting up an SSL client. If this is set to 0 (the default), then you will only need a certificate and key if you are setting up a server.

SSL\_use\_cert will implicitly be set if SSL\_server is set.

For convenience it is also set if it was not given but a cert was given for use



(SSL\_cert\_file or similar).

=item SSL\_version

Sets the version of the SSL protocol used to transmit data.

'SSLv23' uses a handshake compatible with SSL2.0, SSL3.0 and TLS1.x, while 'SSLv2', 'SSLv3', 'TLSv1', 'TLSv1\_1', 'TLSv1\_2', or 'TLSv1\_3' restrict handshake and protocol to the specified version.

All values are case-insensitive. Instead of 'TLSv1\_1',

'TLSv1\_2', and

'TLSv1\_3' one can also use 'TLSv11', 'TLSv12', and 'TLSv13'. Support for 'TLSv1\_1', 'TLSv1\_2', and 'TLSv1\_3' requires recent versions of Net::SSLeay and openssl.

Independent from the handshake format you can limit to set of accepted SSL versions by adding !version separated by '!':

The default SSL\_version is 'SSLv23:!SSLv3:!SSLv2' which means, that the handshake format is compatible to SSL2.0 and higher, but that the successful handshake is limited to TLS1.0 and higher, that is no SSL2.0 or SSL3.0 because both of these versions have serious security issues and should not be used anymore.

You can also use !TLSv1\_1 and !TLSv1\_2 to disable TLS versions 1.1 and 1.2 while still allowing TLS version 1.0.

Setting the version instead to 'TLSv1' might break interaction with older clients, which need and SSL2.0 compatible handshake. On the other side some clients just close the connection when they receive a TLS version 1.1 request. In this case setting the version to

'SSLv23:!SSLv2:!SSLv3:!TLSv1\_1:!TLSv1\_2'  
might help.

=item SSL\_cipher\_list

If this option is set the cipher list for the connection will be set to the given value, e.g. something like 'ALL:!LOW:!EXP:!aNULL'. Look into the OpenSSL documentation (L<[http://www.openssl.org/docs/apps/ciphers.html#CIPHER\\_STRINGS](http://www.openssl.org/docs/apps/ciphers.html#CIPHER_STRINGS)>) for more details.

Unless you fail to contact your peer because of no shared ciphers it is recommended to leave this option at the default setting. The default setting prefers ciphers with forward secrecy, disables anonymous authentication and disables known insecure ciphers like MD5, DES etc. This gives a grade A result at the tests of SSL Labs.

To use the less secure OpenSSL builtin default (whatever this is) set SSL\_cipher\_list to "".

In case different cipher lists are needed for different SNI hosts a hash can be given with the host as key and the cipher suite as value, similar to

B<SSL\_cert\*>.

=item SSL\_honor\_cipher\_order

If this option is true the cipher order the server specified is used instead of the order proposed by the client. This option defaults to true to make use of our secure cipher list setting.

=item SSL\_dh\_file

To create a server which provides forward secrecy you need to either give the DH parameters or (better, because faster) the ECDH curve. This setting cares about DH parameters.

To support non-elliptic Diffie-Hellman key exchange a suitable file needs to be given here or the SSL\_dh should be used with a appropriate value. See dhparam command in openssl for more information.

If neither C<SSL\_dh\_file> nor C<SSL\_dh> are set a builtin DH parameter with a length of 2048 bit is used to offer DH key exchange by default. If you don't want this (e.g. disable DH key exchange) explicitly set this or the C<SSL\_dh> parameter to undef.

=item SSL\_dh

Like SSL\_dh\_file, but instead of giving a file you use a preloaded or generated DH\*.

=item SSL\_ecdh\_curve

To create a server which provides forward secrecy you need to either give the DH parameters or (better, because faster) the ECDH curve. This setting cares about the ECDH curve(s).

To support Elliptic Curve Diffie-Hellmann key exchange the OID or NID of at least one suitable curve needs to be provided here.

With OpenSSL 1.1.0+ this parameter defaults to C<auto>, which means that it lets OpenSSL pick the best settings. If support for CTX\_set\_ecdh\_auto is implemented in Net::SSLeay (needs at least version 1.86) it will use this to implement the same default. Otherwise it will default to C<prime256v1> (builtin of OpenSSL) in order to offer ECDH key exchange by default.

If setting groups or curves is supported by Net::SSLeay (needs at least

version 1.86) then multiple curves can be given here in the order of the preference, i.e. C<P-521:P-384:P-256>. When used at the client side this will include the supported curves as extension in the TLS handshake.

If you don't want to have ECDH key exchange this could be set to undef or set C<SSL\_ciphers> to exclude all of these ciphers.

You

can check if ECDH support is available by calling  
C<< IO::Socket::SSL->can\_ecdh >>.

=item SSL\_verify\_mode

This option sets the verification mode for the peer certificate.

You may combine SSL\_VERIFY\_PEER (verify\_peer), SSL\_VERIFY\_FAIL\_IF\_NO\_PEER\_CERT (fail verification if no peer certificate exists; ignored for clients), SSL\_VERIFY\_CLIENT\_ONCE (verify client once; ignored for clients). See OpenSSL man page for SSL\_CTX\_set\_verify for more information.

The default is SSL\_VERIFY\_NONE for server (e.g. no check for client certificate) and SSL\_VERIFY\_PEER for client (check server certificate).

=item SSL\_verify\_callback

If you want to verify certificates yourself, you can pass a sub reference along with this parameter to do so. When the callback is called, it will be passed:

=over 4

=item 1.

a true/false value that indicates what OpenSSL thinks of the certificate,

=item 2.

a C-style memory address of the certificate store,

=item 3.

a string containing the certificate's issuer attributes  
and owner attributes,  
and

=item 4.

a string containing any errors encountered (0 if no errors).

=item 5.

a C-style memory address of the peer's own certificate (convertible to PEM form with Net::SSL::PEM\_get\_string\_X509()).

=item 6.

The depth of the certificate in the chain. Depth 0 is the leaf certificate.

=back

The function should return 1 or 0, depending on whether it thinks the certificate is valid or invalid. The default is to let OpenSSL do all of the busy work.

The callback will be called for each element in the certificate chain.

See the OpenSSL documentation for `SSL_CTX_set_verify` for more information.

=item `SSL_verifycn_scheme`

The scheme is used to correctly verify the identity inside the certificate by using the hostname of the peer.

See the information about the verification schemes in `B<verify_hostname>`.

If you don't specify a scheme it will use 'default', but only complain loudly if the name verification fails instead of letting the whole certificate verification

fail. **THIS WILL CHANGE**, e.g. it will let the certificate verification fail in the future if the hostname does not match the certificate  
!!!! To override the name used in verification use `B<SSL_verifycn_name>`.

The scheme 'default' is a superset of the usual schemes, which will accept the hostname in common name and subjectAltName and allow wildcards everywhere. While using this scheme is way more secure than no name verification at all you better should use the scheme specific to your application protocol, e.g. 'http', 'ftp'...

If you are really sure, that you don't want to verify the identity using the hostname you can use 'none' as a scheme. In this case you'd better have alternative forms of verification, like a certificate fingerprint or do a manual verification later by calling `B<verify_hostname>` yourself.

=item `SSL_verifycn_publicsuffix`

This option is used to specify the behavior when checking wildcard certificates for public suffixes, e.g. no wildcard certificates

for \*.com or \*.co.uk should be accepted, while \*.example.com or \*.example.co.uk is ok.

If not specified it will simply use the builtin default of `L<IO::Socket::SSL::PublicSuffix>`, you can create another object with `from_string` or `from_file` of this module.

To disable verification of public suffix set this option to `C<">`.

=item SSL\_verifycn\_name

Set the name which is used in verification of hostname. If SSL\_verifycn\_scheme is set and no SSL\_verifycn\_name is given it will try to use SSL\_hostname or PeerHost and PeerAddr settings and fail if no name can be determined.

If SSL\_verifycn\_scheme is not set it will use a default scheme and warn if it cannot determine a hostname, but it will not fail.

Using PeerHost or PeerAddr works only if you create the connection directly with C<< IO::Socket::SSL->new >>, if an IO::Socket::INET object is upgraded with B<start\_SSL> the name has to be given in B<SSL\_verifycn\_name> or B<SSL\_hostname>.

=item SSL\_check\_crl

If you want to verify that the peer certificate has not been revoked by the signing authority, set this value to true. OpenSSL will search for the CRL in your SSL\_ca\_path, or use the file specified by SSL\_crl\_file. See the Net::SSLeay documentation for more details. Note that this functionality appears to be broken with OpenSSL < v0.9.7b, so its use with lower versions will result in an error.

=item SSL\_crl\_file

If you want to specify the CRL file to be used, set this value to the pathname to be used. This must be used in addition to setting SSL\_check\_crl.

=item SSL\_ocsp\_mode

Defines how certificate revocation is done using OCSP (Online Status Revocation Protocol). The default is to send a request for OCSP stapling to the server and if the server sends an OCSP response back the result will be used.

Any other OCSP checking needs to be done manually with C<ocsp\_resolver>.

The following flags can be combined with C<|>:

=over 8

=item SSL\_OCSP\_NO\_STAPLE

Don't ask for OCSP stapling.  
This is the default if SSL\_verify\_mode is VERIFY\_NONE.

=item SSL\_OCSP\_TRY\_STAPLE

Try OCSP stapling, but don't complain if it gets no stapled response back. This is the default if SSL\_verify\_mode is VERIFY\_PEER (the default).

=item SSL\_OCSP\_MUST\_STAPLE

Consider it a hard error, if the server does not send a stapled OCSP response back. Most servers currently send no stapled OCSP response back.

=item SSL\_OCSP\_FAIL\_HARD

Fail hard on response errors, default is to fail soft like the browsers do. Soft errors mean, that the OCSP response is not usable, e.g. no response, error response, no valid signature etc. Certificate revocations inside a verified response are considered hard errors in any case.

Soft errors inside a stapled response are never considered hard, e.g. it is expected that in this case an OCSP request will be send to the responsible OCSP responder.

=item SSL\_OCSP\_FULL\_CHAIN

This will set up the C<ocsp\_resolver> so that all certificates from the peer chain will be checked, otherwise only the leaf certificate will be checked against revocation.

=back

=item SSL\_ocsp\_staple\_callback

If this callback is defined, it will be called with the SSL object and the OCSP response handle obtained from the peer, e.g. C<<\$cb->(\$ssl,\$resp)>>. If the peer did not provide a stapled OCSP response the function will be called with C<\$resp=undef>. Because the OCSP response handle is no longer valid after leaving this function it should not be copied or freed. If access to the response is necessary after leaving this function it can be serialized with C<Net::SSLay::i2d\_OCSP\_RESPONSE>.

If no such callback is provided, it will use the default one, which verifies the response and uses it to check if the certificate(s) of the connection got revoked.

=item SSL\_ocsp\_cache

With this option a cache can be given for caching OCSP responses, which could be shared between different SSL contexts. If not given a cache specific to the SSL context only will be used.

You can either create a new cache with

```
C<<<
```

```
IO::Socket::SSL::OCSP_Cache->new([size]) >> or implement your own cache,
which needs to have methods C<put($key,%entry)> and C<get($key)> (returning
C<%entry>) where entry is the hash representation of the OCSP response with
fields like C<nextUpdate>. The default implementation of the cache will consider
responses valid as long as C<nextUpdate> is less then the current time.
```

```
=item SSL_reuse_ctx
```

If you have already set the above options for a previous instance of `IO::Socket::SSL`, then you can reuse the SSL context of that instance by passing it as the value for the `SSL_reuse_ctx` parameter. You may also create a new instance of the `IO::Socket::SSL::SSL_Context` class, using any context options that you desire without specifying connection options, and pass that here instead.

If you use this option, all other context-related options that you pass in the same call to `new()` will be ignored unless the context supplied was invalid. Note that, contrary to versions of `IO::Socket::SSL` below v0.90, a global SSL context will not be implicitly used unless you use the `set_default_context()` function.

```
=item SSL_create_ctx_callback
```

With this callback you can make individual settings to the context after it got created and the default setup was done. The callback will be called with the `CTX` object from `Net::SSLeay` as the single argument.

Example for limiting the server session cache size:

```
SSL_create_ctx_callback => sub {
 my $ctx = shift;
 Net::SSLeay::CTX_sess_set_cache_size($ctx,128);
}
```

```
=item SSL_session_cache_size
```

If you make repeated connections to the same host/port and the SSL renegotiation time is an issue, you can turn on client-side session caching with this option by specifying a positive cache size. For successive connections, pass the `SSL_reuse_ctx` option to the `new()` calls (or use `set_default_context()`) to make

use of the cached sessions. The session cache size refers to the number of unique host/port pairs that can be stored at one time; the oldest sessions in the cache will be removed if new ones are added.

This option does not effect the session cache a server has for it's clients, e.g. it does not affect SSL objects with `SSL_server` set.

Note that session caching with TLS 1.3 needs at least `Net::SSLeay 1.86`.

=item `SSL_session_cache`

Specifies session cache object which should be used instead of creating a new. Overrides `SSL_session_cache_size`.

This option is useful if you want to reuse the cache, but not the rest of the context.

A session cache object can be created using `C<< IO::Socket::SSL::Session_Cache->new( cachesize ) >>`.

Use `set_default_session_cache()` to set a global cache object.

=item `SSL_session_key`

Specifies a key to use for lookups and inserts into client-side session cache. Per default ip:port of destination will be used, but sometimes you want to share the same session over multiple ports on the same server (like with FTPS).

=item `SSL_session_id_context`

This gives an id for the servers session cache. It's necessary if you want clients to connect with a client certificate. If not given but `SSL_verify_mode` specifies the need for client certificate a context unique id will be picked.

=item `SSL_error_trap`

When using the `accept()` or `connect()` methods, it may be the case that the actual socket connection works but the SSL negotiation fails, as in the case of an HTTP client connecting to an HTTPS server. Passing a subroutine ref attached to this parameter allows you to gain control of the orphaned socket instead of having it be closed forcibly.

The subroutine, if called, will be passed two parameters: a reference to the socket on which the SSL negotiation failed and the full text of the error message.

=item `SSL_npn_protocols`



If used on the server side it specifies list of protocols advertised by SSL server as an array ref, e.g. ['spdy/2','http1.1'].

On the client side it specifies the protocols offered by the client for NPN as an array ref.

See also method C<next\_proto\_negotiated>.

Next

Protocol Negotiation (NPN) is available with Net::SSLey 1.46+ and openssl-1.0.1+. NPN is unavailable in TLSv1.3 protocol.

To check support you might call C<< IO::Socket::SSL->can\_npn() >>.

If you use this option with an unsupported Net::SSLey/OpenSSL it will throw an error.

=item SSL\_alpn\_protocols

If used on the server side it specifies list of protocols supported by the SSL server as an array ref, e.g. ['http/2.0', 'spdy/3.1','http/1.1'].

On the client side it specifies the protocols advertised by the client for ALPN as an array ref.

See also method C<alpn\_selected>.

Application-Layer Protocol Negotiation (ALPN) is available with Net::SSLey 1.56+ and openssl-1.0.2+. More details about the extension are in RFC7301. To check support you might call C<< IO::Socket::SSL->can\_alpn() >>. If you use this option with an unsupported Net::SSLey/OpenSSL it will throw an error.

Note that some client implementations may encounter problems if both NPN and ALPN are specified. Since

ALPN is intended as a replacement for NPN, try providing ALPN protocols then fall back to NPN if that fails.

=item SSL\_ticket\_keycb => [\$sub,\$data] | \$sub

This is a callback used for stateless session reuse (Session Tickets, RFC 5077).

This callback will be called as C<< \$sub->(\$data,\$key\_name) >> where C<\$data> is the argument given to SSL\_ticket\_keycb (or undef) and C<\$key\_name> depends on the mode:

=over 8

=item encrypt ticket

If a ticket needs to be encrypted the callback will be called without C<\$key\_name>. In this case it should return C<(\$current\_key,\$current\_key\_name)> where C<\$current\_key> is the current key (32 byte random data) and C<\$current\_key\_name> the name associated with this key (exactly 16 byte). This C<\$current\_key\_name> will be incorporated into the ticket.

=item decrypt ticket

If a ticket needs to be decrypted the callback will be called with C<\$key\_name> as found in the ticket. It should return C<(\$key,\$current\_key\_name>) where C<\$key> is the key associated with the given C<\$key\_name> and C<\$current\_key\_name> the name associated with the currently active key. If C<\$current\_key\_name> is different from the given C<\$key\_name> the callback will be called again to re-encrypt the ticket with the currently active key.

If no key can be found which matches the given C<\$key\_name> then this function should return nothing (empty list).

This mechanism should be used to limit the life time for each key encrypting the ticket. Compromise of a ticket encryption key might lead to decryption of SSL sessions which used session tickets protected by this key.

=back

Example:

```
Net::SSLeay::RAND_bytes(my $oldkey,32);
Net::SSLeay::RAND_bytes(my $newkey,32);
my $oldkey_name = pack("a16",'oldsecret');
my $newkey_name = pack("a16",'newsecret');

my @keys = (
 [$newkey_name, $newkey], # current active key
 [$oldkey_name, $oldkey], # already expired
);

my $keycb = [sub {
 my ($mykeys,$name) = @_ ;

 #
return (current_key, current_key_name) if no name given
 return ($mykeys->[0][1],$mykeys->[0][0]) if ! $name;

 # return (matching_key, current_key_name) if we find a key matching
 # the given name
 for(my $i = 0; $i<@ $mykeys; $i++) {
next if $name ne $mykeys->[$i][0];
return ($mykeys->[$i][1],$mykeys->[0][0]);
 }

 # no matching key found
return;
```

```
},\@keys];
```

```
my $srv = IO::Socket::SSL->new(..., SSL_ticket_keycb => $keycb);
```

=back

=item B<accept>

This behaves similar to the `accept` function of the underlying socket class, but additionally does the initial SSL handshake. But because the underlying socket class does return a blocking file handle even when `accept` is called on a non-blocking socket, the SSL handshake on the new file object will be done in a blocking way. Please see the section about non-blocking I/O for details.

If you don't like this behavior you should do `accept` on the TCP socket and then upgrade it with `C<start_SSL>`

later.

=item B<connect(...)>

This behaves similar to the `connect` function but also does an SSL handshake. Because you cannot give SSL specific arguments to this function, you should better either use `C<new>` to create a connect SSL socket or `C<start_SSL>` to upgrade an established TCP socket to SSL.

=item B<close(...)>

Contrary to a `close` for a simple INET socket a `close` in SSL also mandates a proper shutdown of the SSL part. This is done by sending a close notify message by both peers.

A naive implementation would thus wait until it receives the close notify message from the peer - which conflicts with the commonly expected semantic that a `close` will not block. The default behavior is thus to only send a close notify but not wait for the close notify of the peer. If this is required `C<SSL_fast_shutdown>` need to be explicitly set to `false`.

There are also cases where a SSL shutdown should not be done at all. This is true for example when forking to let a child deal with the socket and closing the socket in the parent process. A naive explicit `C<close>` or an implicit close when destroying the socket in the parent would send a close notify to the peer which would make the SSL socket in the client process unusable. In this case an explicit `C<close>` with `C<SSL_no_shutdown>` set to `true` should be done in the parent process.

For more details and other arguments see `C<stop_SSL>` which gets called from `C<close>` to shutdown the SSL state of the socket.

=item B<sysread( BUF, LEN, [ OFFSET ] )>

This function behaves from the outside the same as B<sysread> in other L<IO::Socket> objects, e.g. it returns at most LEN bytes of data.

But in reality it reads not only LEN bytes from the underlying socket, but at a single SSL frame. It then returns up to LEN bytes it decrypted from this SSL frame. If the frame contained more data than requested it will return only LEN data, buffer the rest and return it on further read calls.

This means, that it might be possible to read data, even if the underlying socket is not readable, so using poll or select might not be sufficient.

sysread will only return data from a single SSL frame, e.g. either the pending data from the already buffered frame or it will read a frame from the underlying socket and return the decrypted data. It will not return data spanning several SSL frames in a single call.

Also, calls to sysread might fail, because it must first finish an SSL handshake.

To understand these behaviors is essential, if you write applications which use event loops and/or non-blocking sockets. Please read the specific sections in this documentation.

=item B<syswrite( BUF, [ LEN, [ OFFSET ] ] )>

This functions behaves from the outside the same as B<syswrite> in other L<IO::Socket> objects, e.g. it will write at most LEN bytes to the socket, but there is no guarantee, that all LEN bytes are written. It will return the number of bytes written.

Because it basically just calls SSL\_write from OpenSSL syswrite will write at most a single SSL frame. This means, that no more than 16.384 bytes, which is the maximum size of an SSL frame, will be written at once.

For non-blocking sockets SSL specific behavior applies. Please read the specific section in this documentation.

=item B<peek( BUF, LEN, [ OFFSET ] )>

This function has exactly the same syntax as B<sysread>, and performs nearly the same task but will not advance the read position so that successive calls to peek() with the same arguments will return the same results. This function requires OpenSSL 0.9.6a or later to work.

=item B<pending()>

This function gives you the number of bytes available without reading from the underlying socket object. This function is essential if you work with event loops, please see the section about polling SSL sockets.

=item B<get\_fingerprint([algo,certificate,pubkey])>

This methods returns the fingerprint of the given certificate in the form C<algo\$digest\_hex>, where C<algo> is the used algorithm, default 'sha256'.

If

no certificate is given the peer certificate of the connection is used.

If C<pubkey> is true it will not return the fingerprint of the certificate but instead the fingerprint of the pubkey inside the certificate as

C<algo\$pub\$digest\_hex>.

=item B<get\_fingerprint\_bin([algo,certificate,pubkey])>

This methods returns the binary fingerprint of the given certificate by using the algorithm C<algo>, default 'sha256'.

If no certificate is given the peer certificate of the connection is used.

If C<pubkey> is true it will not return the fingerprint of the certificate but instead the fingerprint of the pubkey inside the certificate.

=item B<get\_cipher()>

Returns the string form of the cipher that the IO::Socket::SSL object is using.

=item B<get\_sslversion()>

Returns the string representation of the SSL version of an established connection.

=item B<get\_sslversion\_int()>

Returns the integer representation of the SSL version of an established connection.

=item B<get\_session\_reused()>

This

returns true if the session got reused and false otherwise. Note that with a reused session no certificates are send within the handshake and no ciphers are offered and thus functions which rely on this might not work.

=item B<dump\_peer\_certificate()>

Returns a parsable string with select fields from the peer SSL certificate.

This method directly returns the result of the dump\_peer\_certificate() method of Net::SSLay.

=item B<peer\_certificate(\$field;[\$refresh])>

If a peer certificate exists, this function can retrieve values from it.

If no field is given the internal representation of certificate from Net::SSLay is returned.

If refresh is true it will not use a cached version, but check again in case the certificate of the connection has changed due to renegotiation.

The following fields can be queried:

=over 8

=item authority (alias issuer)

The certificate authority which signed the certificate.

=item owner (alias subject)

The owner of the certificate.

=item commonName

(alias cn) - only for Net::SSLay version >=1.30

The common name, usually the server name for SSL certificates.

=item subjectAltNames - only for Net::SSLay version >=1.33

Alternative names for the subject, usually different names for the same server, like example.org, example.com, \*.example.com.

It returns a list of (typ,value) with typ GEN\_DNS, GEN\_IPADD etc (these constants are exported from IO::Socket::SSL).

See Net::SSLay::X509\_get\_subjectAltNames.

=back

=item B<sock\_certificate(\$field)>

This is similar to C<peer\_certificate> but will return the sites own certificate. The same arguments for B<\$field> can be used.

If no B<\$field> is given the certificate handle from the underlying OpenSSL will be returned. This handle will only be valid as long as the SSL connection exists and if used afterwards it might result in strange crashes of the application.

=item B<peer\_certificates>

This returns all the certificates send by the peer, e.g. first the peers own

certificate

and then the rest of the chain. You might use `B<CERT_asHash>` from `L<IO::Socket::SSL::Utils>` to inspect each of the certificates.

This function depends on a version of `Net::SSL` `>= 1.58`.

=item `B<get_servername>`

This gives the name requested by the client if Server Name Indication (SNI) was used.

=item `B<verify_hostname($hostname,$scheme,$publicsuffix)>`

This verifies the given hostname against the peer certificate using the given scheme. Hostname is usually what you specify within the `PeerAddr`. See the `C<SSL_verifycn_publicsuffix>` parameter for an explanation of suffix checking and for the possible values.

Verification of hostname against a certificate is different between various applications and RFCs. Some scheme allow wildcards for hostnames, some only in `subjectAltNames`, and even their different wildcard schemes are possible. RFC 6125 provides a good overview.

To ease the verification the following schemes are predefined (both protocol name and `rfcXXXX` name can be used):

=over  
8

=item `rfc2818, xmpp (rfc3920), ftp (rfc4217)`

Extended wildcards in `subjectAltNames` and common name are possible, e.g. `*.example.org` or even `www*.example.org`. The common name will be only checked if no DNS names are given in `subjectAltNames`.

=item `http (alias www)`

While name checking is defined in `rfc2818` the current browsers usually accept also an IP address (w/o wildcards) within the common name as long as no `subjectAltNames` are defined. Thus this is `rfc2818` extended with this feature.

=item `smtp (rfc2595), imap, pop3, acap (rfc4642), netconf (rfc5538), syslog (rfc5425), snmp (rfc5953)`

Simple wildcards in `subjectAltNames` are possible, e.g. `*.example.org` matches `www.example.org` but not `lala.www.example.org`. If nothing from `subjectAltNames` match it checks against the common name, where wildcards are also allowed to match the full leftmost label.

=item ldap (rfc4513)

Simple wildcards are allowed in subjectAltNames, but not in common name.  
Common name will be checked even  
if subjectAltNames exist.

=item sip (rfc5922)

No wildcards are allowed and common name is checked even if subjectAltNames  
exist.

=item gist (rfc5971)

Simple wildcards are allowed in subjectAltNames and common name, but common name  
will only be checked if there are no DNS names in subjectAltNames.

=item default

This is a superset of all the rules and is automatically used if no scheme is  
given but a hostname (instead of IP) is known.  
Extended wildcards are allowed in subjectAltNames and common name and common  
name is checked always.

=item none

No verification will be done.  
Actually it does not make any sense to call verify\_hostname in this case.

=back

The scheme can be given either by specifying the name for one of the above  
predefined schemes, or by using a hash which can have the following keys and  
values:

=over 8

=item check\_cn: 0|'always'|'when\_only'

Determines if the common name gets checked. If 'always' it will always be  
checked (like in ldap), if 'when\_only' it will  
only be checked if no names are  
given in subjectAltNames (like in http), for any other values the common name  
will not be checked.

=item wildcards\_in\_alt: 0|'full\_label'|'anywhere'

Determines if and where wildcards in subjectAltNames are possible. If  
'full\_label' only cases like \*.example.org will be possible (like in ldap), for



'anywhere' `www*.example.org` is possible too (like `http`), dangerous things like `www.*.org` or even `*` will not be allowed.

For compatibility with older versions 'leftmost' can be given instead of 'full\_label'.

```
=item wildcards_in_cn: 0|full_label|anywhere'
```

Similar to `wildcards_in_alt`, but checks the common name. There is no predefined scheme which allows wildcards in common names.

```
=item ip_in_cn: 0|1|4|6
```

Determines if an IP address is allowed in the common name (no wildcards are allowed). If set to 4 or 6 it only allows IPv4 or IPv6 addresses, any other true value allows both.

```
=item callback: \&coderef
```

If you give a subroutine for verification it will be called with the arguments (`$hostname`, `$commonName`, `@subjectAltNames`), where `hostname` is the name given for verification, `commonName` is the result from `peer_certificate('cn')` and `subjectAltNames` is the result from `peer_certificate('subjectAltNames')`.

All other arguments for the verification scheme will be ignored in this case.

```
=back
```

```
=item B<next_proto_negotiated(>>
```

This method returns the name of negotiated protocol - e.g. `'http/1.1'`. It works for both client and server side of SSL connection.

NPN support is available with `Net::SSLeay 1.46+` and `openssl-1.0.1+`. To check support you might call `C<< IO::Socket::SSL->can_npn() >>`.

```
=item B<alpn_selected(>>
```

Returns the protocol negotiated via ALPN as a string, e.g. `'http/1.1'`, `'http/2.0'` or `'spdy/3.1'`.

ALPN support is available with `Net::SSLeay 1.56+` and `openssl-1.0.2+`. To check support, use `C<< IO::Socket::SSL->can_alpn() >>`.

```
=item B<errstr(>>
```

Returns the last error (in string form) that occurred. If you do not have a real object

to perform this method on, call `IO::Socket::SSL::errstr()` instead.

For read and write errors on non-blocking sockets, this method may include the string `C<SSL wants a read first!>` or `C<SSL wants a write first!>` meaning that the other side is expecting to read from or write to the socket and wants to be satisfied before you get to do anything. But with version 0.98 you are better comparing the global exported variable `$$SSL_ERROR` against the exported symbols `SSL_WANT_READ` and `SSL_WANT_WRITE`.

=item B<opened()>

This returns false if the socket could not be opened, 1 if the socket could be opened and the SSL handshake was successful done and -1 if the underlying `IO::Handle` is open, but the SSL handshake failed.

=item B<< IO::Socket::SSL->start\_SSL(\$socket, ... ) >>

This will convert a glob reference or a socket that you provide to an `IO::Socket::SSL` object. You may also pass parameters to specify context or connection options as with a call to `new()`. If you are using this function on an `accept()`ed socket, you must set the parameter `"SSL_server"` to 1, i.e. `IO::Socket::SSL->start_SSL($socket, SSL_server => 1)`. If you have a class that inherits from `IO::Socket::SSL` and you want the `$socket` to be blessed into your own class instead, use `MyClass->start_SSL($socket)` to achieve the desired effect.

Note that if `start_SSL()` fails in SSL negotiation, `$socket` will remain blessed in its original class. For non-blocking sockets you better just upgrade the socket to `IO::Socket::SSL` and call `accept_SSL` or `connect_SSL` and the upgraded object. To just upgrade the socket set `B<SSL_startHandshake>` explicitly to 0. If you call `start_SSL` w/o this parameter it will revert to blocking behavior for `accept_SSL` and `connect_SSL`.

If given the parameter `"Timeout"` it will stop if after the timeout no SSL connection was established. This parameter is only used for blocking sockets, if it is not given the default `Timeout` from the underlying `IO::Socket` will be used.

=item B<stop\_SSL(...)>

This is the opposite of `start_SSL()`, `connect_SSL()` and `accept_SSL()`, e.g. it will shutdown the SSL connection and return to the class before `start_SSL()`. It gets the same arguments as `close()`, in fact `close()` calls `stop_SSL()` (but without downgrading the class).

Will return true if it succeeded and undef if failed. This might be the case for

non-blocking sockets. In this case \$! is set to EWOULDBLOCK and the ssl error to SSL\_WANT\_READ or SSL\_WANT\_WRITE. In this case the call should be retried again with the same arguments once the socket is ready.

For calling from C<stop\_SSL> C<SSL\_fast\_shutdown> default to false, e.g. it waits for the close\_notify of the peer. This is necessary in case you want to downgrade the socket and continue to use it as a plain socket.

After stop\_SSL the socket can again be used to exchange plain data.

=item B<connect\_SSL>, B<accept\_SSL>

These functions should be used to do the relevant handshake, if the socket got created with C<new> or upgraded with C<start\_SSL> and C<SSL\_startHandshake> was set to false.

They will return undef until the handshake succeeded or an error got thrown. As long as the function returns undef and \$! is set to EWOULDBLOCK one could retry the call after the socket got readable (SSL\_WANT\_READ) or writeable (SSL\_WANT\_WRITE).

=item B<ocsp\_resolver>

This will create an OCSP resolver object, which can be used to create OCSP requests for the certificates of the SSL connection. Which certificates are verified depends on the setting of C<SSL\_ocsp\_mode>: by default only the leaf certificate will be checked, but with SSL\_OCSP\_FULL\_CHAIN all chain certificates will be checked.

Because to create an OCSP request the certificate and its issuer certificate need to be known it is not possible to check certificates when the trust chain is incomplete or if the certificate is self-signed.

The OCSP resolver gets created by calling C<< \$ssl->ocsp\_resolver >> and provides the following methods:

=over 8

=item hard\_error

This

returns the hard error when checking the OCSP response. Hard errors are certificate revocations. With the C<SSL\_ocsp\_mode> of SSL\_OCSP\_FAIL\_HARD any soft error (e.g. failures to get signed information about the certificates) will be considered a hard error too.

The OCSP resolving will stop on the first hard error.

The method will return undef as long as no hard errors occurred and still requests to be resolved. If all requests got resolved and no hard errors occurred the method will return C<">.

=item soft\_error

This returns the soft error(s) which occurred when asking the OCSP responders.

=item requests

This will return a hash consisting of C<(url,request)>-tuples, e.g. which contain the OCSP request string and the URL where it should be sent too. The usual way to send such a request is as HTTP POST request with a content-type of C<application/ocsp-request> or as a GET request with the base64 and url-encoded request is added to the path of the URL.

After you've handled all these requests and added the response with C<add\_response> you should better call this method again to make sure, that no more requests are outstanding. IO::Socket::SSL will combine multiple OCSP requests for the same server inside a single request, but some server don't give a response to all these requests, so that one has to ask again with the remaining requests.

=item add\_response(\$uri,\$response)

This method takes the HTTP body of the response which got received when sending the OCSP request to C<\$uri>. If no response was received or an error occurred one should either retry or consider C<\$response> as empty which will trigger a soft error.

The method returns the current value of C<hard\_error>, e.g. a defined value when no more requests need to be done.

=item resolve\_blocking(%args)

This combines C<requests> and C<add\_response> which L<HTTP::Tiny> to do all necessary requests in a blocking way. C<%args> will be given to L<HTTP::Tiny> so that you can put proxy settings etc here.

L<HTTP::Tiny> will be called with C<verify\_ssl> of false, because the OCSP responses have their own signatures so no extra SSL verification is needed.

If you don't want to use blocking requests you need to roll your own user agent with C<requests> and C<add\_response>.

=back

```
=item B<< IO::Socket::SSL->new_from_fd($fd, [mode], %sslargs) >>
```

This will convert a socket identified via a file descriptor into an SSL socket. Note that the argument list does not include a "MODE" argument; if you supply one, it will be thoughtfully ignored (for compatibility with IO::Socket::INET). Instead, a mode of '+<' is assumed, and the file descriptor passed must be able to handle such I/O because the initial SSL handshake requires bidirectional communication.

Internally the given \$fd will be upgraded to a socket object using the C<new\_from\_fd> method of the super class (L<IO::Socket::INET> or similar) and then C<start\_SSL> will be called using the given C<%sslargs>.

If C<\$fd> is already an IO::Socket object you should better call C<start\_SSL> directly.

```
=item B<IO::Socket::SSL::default_ca([path|dir| SSL_ca_file => ..., SSL_ca_path => ...])>
```

Determines or sets the default CA path.

If existing path or dir or a hash is given it will set the default CA path to this value and never try to detect it automatically.

If C<undef> is given it will forget any stored defaults and continue with detection of system defaults.

If no arguments are given it will start detection of system defaults, unless it has already stored user-set or previously detected values.

The detection of system defaults works similar to OpenSSL, e.g. it will check the directory specified in environment variable SSL\_CERT\_DIR or the path OPENSSLDIR/certs (SSLCERTS: on VMS) and the file specified in environment variable SSL\_CERT\_FILE or the path OPENSSLDIR/cert.pem (SSLCERTS:cert.pem on VMS). Contrary to OpenSSL it will check if the SSL\_ca\_path contains PEM files with the hash as file name and if the SSL\_ca\_file looks like PEM.

If no usable system default can be found it will try to load and use L<Mozilla::CA> and if not available give up detection.

The result of the detection will be saved to speed up future calls.

The function returns the saved default CA as hash with SSL\_ca\_file and SSL\_ca\_path.

```
=item B<IO::Socket::SSL::set_default_context(...)>
```

You may use this to make IO::Socket::SSL automatically re-use a given context (unless specifically overridden in a call to new()).

It accepts one argument, which should be either an IO::Socket::SSL object or an IO::Socket::SSL::SSL\_Context object.

See the SSL\_reuse\_ctx option of new() for more details.

Note that this sets the default context globally, so use with caution (esp. in

mod\_perl scripts).

```
=item B<IO::Socket::SSL::set_default_session_cache(...)>
```

You may use this to make IO::Socket::SSL automatically re-use a given session cache (unless specifically overridden in a call to new()).

It accepts one argument, which should be an IO::Socket::SSL::Session\_Cache object

or similar (e.g. something which implements get\_session, add\_session and del\_session like IO::Socket::SSL::Session\_Cache does).

See the SSL\_session\_cache option of new() for more details.

Note that this sets the default cache globally, so use with caution.

```
=item B<IO::Socket::SSL::set_defaults(%args)>
```

With this function one can set defaults for all SSL\_\* parameter used for creation of the context, like the SSL\_verify\* parameter. Any SSL\_\* parameter can be given or the following short versions:

```
=over 8
```

```
=item mode - SSL_verify_mode
```

```
=item callback - SSL_verify_callback
```

```
=item scheme - SSL_verifycn_scheme
```

```
=item name - SSL_verifycn_name
```

```
=back
```

```
=item B<IO::Socket::SSL::set_client_defaults(%args)>
```

Similar to C<set\_defaults>, but only sets the defaults for client mode.

```
=item B<IO::Socket::SSL::set_server_defaults(%args)>
```

Similar to C<set\_defaults>, but only sets the defaults for server mode.

```
=item B<IO::Socket::SSL::set_args_filter_hack(\&code|'use_defaults')>
```

Sometimes

one has to use code which uses unwanted or invalid arguments for SSL, typically disabling SSL verification or setting wrong ciphers or SSL versions.

With this hack it is possible to override these settings and restore sanity.

Example:

```
IO::Socket::SSL::set_args_filter_hack(sub {
```

```

my ($is_server,$args) = @_ ;
if (! $is_server) {
 # client settings - enable verification with default CA
 # and fallback hostname verification etc
 delete @{$args}{qw(
SSL_verify_mode
SSL_ca_file
SSL_ca_path
SSL_verifycn_scheme
SSL_version
)};
 # and add some fingerprints for known certs which are signed by
 # unknown CAs or are self-signed
 $args->{SSL_fingerprint} = ...
}
});

```

With the short setting `C<set_args_filter_hack('use_defaults')>` it will prefer the default settings in all cases. These default settings can be modified with `C<set_defaults>`, `C<set_client_defaults>` and `C<set_server_defaults>`.

=back

The following methods are unsupported (not to mention futile!) and

`IO::Socket::SSL` will emit a large CROAK() if you are silly enough to use them:

=over 4

=item truncate

=item stat

=item ungetc

=item setbuf

=item setvbuf

=item fdopen

=item send/rcv

Note that `send()` and `recv()` cannot be reliably trapped by a tied filehandle (such as that used by `IO::Socket::SSL`) and so may send unencrypted data over the socket. Object-oriented calls to these functions will fail, telling you to use the `print/printf/syswrite` and `read/sysread` families instead.

=back

## =head1 DEPRECATIONS

The following functions are deprecated and are only retained for compatibility:

=over 2

=item context\_init()

use the `SSL_reuse_ctx` option if you want to re-use a context

=item socketToSSL() and socket\_to\_SSL()

use `IO::Socket::SSL->start_SSL()` instead

=item kill\_socket()

use `close()` instead

=item get\_peer\_certificate()

use the `peer_certificate()` function instead.

Used to return `X509_Certificate` with methods `subject_name` and `issuer_name`.

Now simply

returns `$self` which has these methods (although deprecated).

=item issuer\_name()

use `peer_certificate('issuer')` instead

=item subject\_name()

use `peer_certificate('subject')` instead

=back

## =head1 EXAMPLES

See the 'example' directory, the tests in 't' and also the tools in 'util'.

## =head1 BUGS

If you use `IO::Socket::SSL` together with threads you should load it (e.g. use or require) inside the main thread before creating any other threads which use it.

This way it is much faster because it will be initialized only once. Also there



are reports that it might crash the other way.

Creating an `IO::Socket::SSL` object in one thread and closing it in another thread will not work.

`IO::Socket::SSL` does not work together with `Storable::fd_retrieve/fd_store`. See `BUGS` file for more information and how to work around the problem.

Non-blocking and timeouts (which are based on non-blocking) are not supported on Win32, because the underlying `IO::Socket::INET` does not support non-blocking on this platform.

If you have a server and it looks like you have a memory leak you might check the size of your session cache. Default for `Net::SSL` seems to be 20480, see the example for `SSL_create_ctx_callback` for how to limit it.

TLS 1.3 support regarding session reuse is incomplete.

=head1 SEE ALSO

`IO::Socket::INET`, `IO::Socket::INET6`, `IO::Socket::IP`, `Net::SSL`.

=head1 THANKS

Many thanks to all who added patches or reported bugs or helped `IO::Socket::SSL` another way. Please keep reporting bugs and help with patches, even if they just fix the documentation.

Special thanks to the team of `Net::SSL` for the good cooperation.

=head1 AUTHORS

Steffen Ullrich, <sullr at cpan.org> is the current maintainer.

Peter Behrooz, <behrooz at fas.harvard.edu> (Note the lack of an "i" at the end of "behrooz")

Marko Asplund, <marko.asplund at kronodoc.fi>, was the original author of `IO::Socket::SSL`.

Patches incorporated from various people, see file `Changes`.

=head1 COPYRIGHT

The original versions of this module are Copyright (C) 1999-2002 Marko Asplund.

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Found in path(s):

```
* /opt/cola/permits/1345494094_1661989483.7462482/0/perl-IO-Socket-SSL-2.066-4.module_el8.6.0+2811+fe6c84b0.src.rpm-cosi-expand-archive-0X12HeuT/IO-Socket-SSL-2.066.tar.gz-cosi-expand-archive-pGhmkbIu/IO-Socket-SSL-2.066/lib/IO/Socket/SSL.pod
```

# 1.394 rsyslog 8.2102.0-7.el8\_6.1

## 1.394.1 Available under license :

Free Getopt

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# 1.395 lvm2 2.02.187-2.ph3

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## 1.396 python-certifi 2018.01.18

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

## 1.397 shadow 4.6-16.el8

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@subheading END OF TERMS AND CONDITIONS

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>
```

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```
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```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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## 1.406 golang 1.17.10

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## 1.407 libdevmapper 1.02.181

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## 1.410 talloc 2.3.3

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## 1.414 zlib 1.2.11

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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jloup@gzip.org      madler@alumni.caltech.edu

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\*/

# 1.415 openjdk 1.8.0u342

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Version 3, 29 June 2007

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```
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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands

```
`show w' and `show c' should show the appropriate
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mouse-clicks or menu items--whatever suits your program.
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample
```

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```
winsup\testsuite\winsup.api\msgtest.c
winsup\testsuite\winsup.api\semtest.c
winsup\testsuite\winsup.api\shmtest.c
```

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```
winsup\cygserver\sysv_shm.cc
```

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The

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Version 2, June 1991

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of



free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library" and a ``work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

@enumerate 0

@item

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A ``library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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@item

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@item

You must cause

the files modified to carry prominent notices stating that you changed the files and the date of any change.

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@item

If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses

the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)  
@end enumerate

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@item

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item

A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a ``work that uses the Library''. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However,

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work.

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@item

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@enumerate a

@item

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@item

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@item

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@item

Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

@end enumerate

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@item

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@item

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that

everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
You should
have received a copy of the GNU Lesser General Public
License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301,
USA.
@end smallexample
```

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

```
@smallexample
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!

# 1.419 almalinux-release 8.6-2.el8

## 1.419.1 Available under license :

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## 1.420 pcre 10.32-3.el8\_6

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-----

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## THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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## 1.421 openssl 1.1.1k-7.el8\_6

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## 1.423 openjdk-jre 1.8.0u342

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## 1.424 lvm2 1.02.181-3.el8\_6.2

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```
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* Soft: multipath device mapper target autoconfig
*
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*
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## 1.432 rng-tools 6.14-6.git.b2b7934e.el8\_6

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see `init_nicstar()` for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* `(skb->atm.iovcnt != 0)` for Rx skb's passed to `vcc->push`.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave `<small_buffer_data>` bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) skb->destructor / skb->atm.recycle\_buffer  
 \* combined, allow nicstar\_free\_rx\_skb to be called to  
 \* recycle large data buffers  
 \* 2) skb\_clone of received buffers  
 \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation  
 \* details.  
 \*  
 \*  
 \*  
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 \*  
 \* M. Welsh, 6 July 1996  
 \*  
 \*  
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## 1.434 lvm2 2.03.14-3.el8\_6.2

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## 1.435 microcode-ctl 20220207-

## 1.20220510.1.el8\_6

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```
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## 1.439 scram 1.1.1

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Upstream-Contact: David Golden <dagolden@cpan.org>

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## 1.442 go-flags 1.4.0

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## 1.449 curl 7.61.1-22.el8\_6.4

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# 1.450 packaging 16.8

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Jan Holmberg, <jan@artech.net> :

- o Memory framework
- o HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au> :

- o MISC checker redesign
- o Scheduler framework extension to support  
child process handling.

- o Daemon framework extension to block SIGCHLD to only receive it when its unblocked in the scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu> :

- o Added SMTP checker

Chris Caputo, <ccaputo@alt.net> :

- o Added dont\_track\_primary, nopreempt, preempt\_delay, and misc\_dynamic.

Kevin Lindsay, <kevinl@netnation.com> :

- o Fixed shadowed declaration reported by -Wshadow.
- o Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com> :

- o Patch for u\_threshold and l\_threshold support.

Willy Tarreau, <w at lwt.eu> :

- o Extended VRRP framework to support floating priority.

## 1.455 mongodb-database-tools 100.6.0-1

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tomb - support for clean goroutine termination in Go.

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# contribution to the Google C++ Mocking Framework project. People  
# who commit code to the project are encouraged to add their names  
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- \* Small patch to handle trailing slashes in --proto\_path flag.

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- \* Small optimizations to Python serialization.

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- \* VI syntax highlighting tweaks.
- \* Fix compiler to not make output executable.

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- \* Heuristic detection of sub-messages when printing unknown fields in text format.

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- \* Added @Override annotation to generated Java code where appropriate.

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- \* Solaris 10 + Sun Studio fixes.

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- \* Slicing support for repeated scalar fields for the Python API.

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- \* MS Visual Studio error format option.
- \* Detect unordered\_map in stl\_hash.m4.

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- \* gzip/zlib I/O support.

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- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- \* Added generation of field number constants.

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- \* Fixed initialization ordering problem in logging code.

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- \* Small patch improving performance of in Python serialization.

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- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>

- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>  
\* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>  
\* Detect whether zlib is new enough in configure script.  
\* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>  
\* Optimize Java serialization code when writing a small message to a stream.  
\* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.  
\* Clean up some Java warnings.  
\* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>  
\* Added CodedInputStream.getTotalBytesRead().

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\* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.

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\* Fixed detection of sched\_yield on Solaris.  
\* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>  
\* Fixed minor IBM xLC compiler build issues  
\* Added atomicops for AIX (POWER)

# This file contains a list of people who've made non-trivial  
# contribution to the Google C++ Testing Framework project. People  
# who commit code to the project are encouraged to add their names  
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Douglas Gilbert

10th April 2012

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## 1.463 vixie-cron 1.5.2-6.el8

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## 1.464 libcxx 20220210-

## 107.git6342082c.el8.noarch

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\* AUTHOR

\* Mark Martinec <mark.martinec@ijs.si>, April 1999.

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) skb->destructor / skb->atm.recycle\_buffer

\* combined, allow nicstar\_free\_rx\_skb to be called to

\* recycle large data buffers

\* 2) skb\_clone of received buffers

\* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation

\* details.

\*

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 \* M. Welsh, 6 July 1996  
 \*  
 \*  
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# 1.469 zopfli 1.0.0+git commit b87006b

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# 1.470 mongodb 4.4.16-1.el8

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# 1.471 gtk 3.22.30-11.el8

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small inline

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```
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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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abstract: 'The RFC 2045 encodings; base64 and quoted-printable'

author:

- 'Gisle Aas <gisle@activestate.com>'

build\_requires:

ExtUtils::MakeMaker: 0

configure\_requires:

ExtUtils::MakeMaker: 0

dynamic\_config: 1

generated\_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.133380'

license: perl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: MIME-Base64

no\_index:

directory:

- t

- inc

requires:

XSLoader: 0

perl: 5.004

resources:

repository: <https://github.com/gisle/mime-base64>

version: 3.15

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1018810387\_1591379702.59/0/perl-MIME-Base64-3.15-396.el8.src.rpm-cosi-expand-archive-0eqZ8FH8/MIME-Base64-3.15.tar.gz-cosi-expand-archive-Y9WxESAM/MIME-Base64-3.15/META.yml

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=head1 NAME

MIME::Base64 - Encoding and decoding of base64 strings

=head1 SYNOPSIS

```
use MIME::Base64;
```

```
$encoded = encode_base64('Aladdin:open sesame');
```

```
$decoded = decode_base64($encoded);
```

=head1 DESCRIPTION

This module provides functions to encode and decode strings into and from the base64 encoding specified in RFC 2045 - I<MIME (Multipurpose Internet Mail Extensions)>. The base64 encoding is designed to represent arbitrary sequences of octets in a form that need not be humanly readable. A 65-character subset ([A-Za-z0-9+/=]) of US-ASCII is used, enabling 6 bits to be represented per printable character.

The following primary functions are provided:

=over 4

```
=item encode_base64($bytes)
```

```
=item encode_base64($bytes, $eol);
```

Encode data by calling the `encode_base64()` function. The first argument is the byte string to encode. The second argument is the line-ending sequence to use. It is optional and defaults to `"\n"`. The returned encoded string is broken into lines of no more than 76 characters each and it will end with `$eol` unless it is empty. Pass an empty string as second argument if you do not want the encoded string to be broken into lines.

The function will croak with "Wide character in subroutine entry" if `$bytes` contains characters with code above 255. The base64 encoding is only defined for single-byte characters. Use the Encode module to select the byte encoding you want.

```
=item decode_base64($str)
```

Decode a base64 string by calling the `decode_base64()` function. This function takes a single argument which is the string to decode and returns the decoded data.

Any character not part of the 65-character base64 subset is silently ignored. Characters occurring after a '=' padding character are never decoded.

=back

If you prefer not to import these routines into your namespace, you can call them as:

```
use MIME::Base64 ();
$encoded = MIME::Base64::encode($decoded);
$decoded = MIME::Base64::decode($encoded);
```

Additional functions not exported by default:

=over 4

=item encode\_base64url( \$bytes )

=item decode\_base64url( \$str )

Encode and decode according to the base64 scheme for "URL applications" [1]. This is a variant of the base64 encoding which does not use padding, does not break the string into multiple lines and use the characters "-" and "\_" instead of "+" and "/" to avoid using reserved URL characters.

=item encoded\_base64\_length( \$bytes )

=item encoded\_base64\_length( \$bytes, \$eol )

Returns the length that the encoded string would have without actually encoding it. This will return the same value as `C<< length(encode_base64($bytes)) >>`, but should be more efficient.

=item decoded\_base64\_length( \$str )

Returns the length that the decoded string would have without actually decoding it. This will return the same value as `C<< length(decode_base64($str)) >>`, but should be more efficient.

=back

=head1 EXAMPLES

If you want to encode a large file, you should encode it in chunks that are a multiple of 57 bytes. This ensures that the base64 lines line up and that you do not end up with padding in the middle. 57 bytes of data fills one complete base64 line ( $76 == 57 * 4/3$ ):

```
use MIME::Base64 qw(encode_base64);
```



```
open(FILE, "/var/log/wtmp") or die "$!";
while (read(FILE, $buf, 60*57)) {
 print encode_base64($buf);
}
```

or if you know you have enough memory

```
use MIME::Base64 qw(encode_base64);
local($/) = undef; # slurp
print encode_base64(<STDIN>);
```

The same approach as a command line:

```
perl -MMIME::Base64 -0777 -ne 'print encode_base64($_)' <file
```

Decoding does not need slurp mode if every line contains a multiple of four base64 chars:

```
perl -MMIME::Base64 -ne 'print decode_base64($_)' <file
```

Perl v5.8 and better allow extended Unicode characters in strings. Such strings cannot be encoded directly, as the base64 encoding is only defined for single-byte characters. The solution is to use the Encode module to select the byte encoding you want. For example:

```
use MIME::Base64 qw(encode_base64);
use Encode qw(encode);

$encoded = encode_base64(encode("UTF-8", "\x{FFFF}\n"));
print $encoded;
```

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Distantly based on LWP::Base64 written by Martijn Koster <m.koster@nexor.co.uk> and Joerg Reichelt <j.reichelt@nexor.co.uk> and code posted to comp.lang.perl <3pd2lp\$6gf@wsinti07.win.tue.nl> by Hans Mulder <hansm@wsinti07.win.tue.nl>

The XS implementation uses code from metemail. Copyright 1991 Bell Communications Research, Inc. (Bellcore)

=head1 SEE ALSO

L<MIME::QuotedPrint>

[1] L<[http://en.wikipedia.org/wiki/Base64#URL\\_applications](http://en.wikipedia.org/wiki/Base64#URL_applications)>

=cut

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1018810387\_1591379702.59/0/perl-MIME-Base64-3.15-396.el8.src.rpm-cosi-expand-archive-0eqZ8FH8/MIME-Base64-3.15.tar.gz-cosi-expand-archive-Y9WxESAM/MIME-Base64-3.15/Base64.pm

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This package contains a base64 encoder/decoder and a quoted-printable encoder/decoder. These encoding methods are specified in RFC 2045 - MIME (Multipurpose Internet Mail Extensions).

The base64 encoding is designed to represent arbitrary sequences of octets in a form that need not be humanly readable. A 65-character subset ([A-Za-z0-9+/=]) of US-ASCII is used, enabling 6 bits to be represented per printable character.

The quoted-printable encoding is intended to represent data that largely consists of bytes that correspond to printable characters in the ASCII character set. Each non-printable character is represented by a triplet consisting of the character "=" followed by two hexadecimal digits.

In order to install and use this package you will need Perl version 5.6 or better. Installation as usual:

```
perl Makefile.PL
make
make test
make install
```

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=head1 NAME

MIME::QuotedPrint - Encoding and decoding of quoted-printable strings

=head1 SYNOPSIS

```
use MIME::QuotedPrint;
```

```
$encoded = encode_qp($decoded);
```

```
$decoded = decode_qp($encoded);
```

=head1 DESCRIPTION

This module provides functions to encode and decode strings into and from the quoted-printable encoding specified in RFC 2045 - I<MIME (Multipurpose Internet Mail Extensions)>. The quoted-printable encoding is intended to represent data that largely consists of bytes that correspond to printable characters in the ASCII character set. Each non-printable character (as defined by English Americans) is represented by a triplet consisting of the character "=" followed by two hexadecimal digits.

The following functions are provided:

=over 4

=item encode\_qp( \$str)

=item encode\_qp( \$str, \$eol)

=item encode\_qp( \$str, \$eol, \$binmode )

This function returns an encoded version of the string (\$str) given as argument.

The

second argument (\$eol) is the line-ending sequence to use. It is optional and defaults to "\n". Every occurrence of "\n" is replaced with this string, and it is also used for additional "soft line breaks" to ensure that no line end up longer than 76 characters. Pass it as "\015\012" to produce data suitable for external consumption. The string "\r\n" produces the same result on many platforms, but not all.

The third argument (\$binmode) will select binary mode if passed as a TRUE value. In binary mode "\n" will be encoded in the same way as

any other non-printable character. This ensures that a decoder will end up with exactly the same string whatever line ending sequence it uses. In general it is preferable to use the base64 encoding for binary data; see L<MIME::Base64>.

An \$eol of "" (the empty string) is special. In this case, no "soft line breaks" are introduced and binary mode is effectively enabled so that any "\n" in the original data is encoded as well.

```
=item
decode_qp($str)
```

This function returns the plain text version of the string given as argument. The lines of the result are "\n" terminated, even if the \$str argument contains "\r\n" terminated lines.

```
=back
```

If you prefer not to import these routines into your namespace, you can call them as:

```
use MIME::QuotedPrint ();
$encoded = MIME::QuotedPrint::encode($decoded);
$decoded = MIME::QuotedPrint::decode($encoded);
```

Perl v5.8 and better allow extended Unicode characters in strings. Such strings cannot be encoded directly, as the quoted-printable encoding is only defined for single-byte characters. The solution is to use the Encode module to select the byte encoding you want. For example:

```
use MIME::QuotedPrint qw(encode_qp);
use Encode qw(encode);

$encoded = encode_qp(encode("UTF-8", "\x{FFFF}\n"));
print $encoded;
```

```
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```

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```
=head1 SEE ALSO
```

L<MIME::Base64>

=cut

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## 1.477 dbus-glib 0.110-2.el8

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@smallexample

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```
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for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
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```

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## 1.480 libmodman 2.0.1-17.el8

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Any executables

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@subheading END OF TERMS AND CONDITIONS

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@heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

@smallexample

@var{one line to give the program's name  
and a brief idea of what it does.}

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@end smallexample

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
@smallexample
Gnomovision version
69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.

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```
@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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## 1.489 gobject-introspection 1.56.1-1.el8

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Finally,

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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Also add information on how to contact you by electronic and paper  
mail.

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your  
school, if any, to sign a "copyright disclaimer" for the library, if  
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the  
library `Frob' (a library for tweaking knobs) written by James  
Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!  
This package was debianized by Jean Pierre LeJacq  
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt  
<martin@piware.de> was the package's maintainer up to version  
2.7.19-1. The current maintainer is Jan Dittberner

<jandd@debian.org>.

It was downloaded from <http://sourceforge.net/projects/cracklib>

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,  
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,  
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

-----

-----

EFFECTIVE

OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

-----

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't

actually a license change, just a

clarification of the licensing that was already in place.=20

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel] cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46  
Seems like the ideal thing here would be for you and the other distro  
maintainers to get together with Alec in a conversation and come to a  
decision as to what licensing scheme y'all want. I haven't really done  
much other than cleaning up the packaging and patches and a small bit of  
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM



> To: Neulinger, Nathan  
>  
Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license  
>=20  
> On Monday 01 October 2007, Neulinger, Nathan wrote:  
>> I understand that, and you're welcome to bring it up with Alec  
> directly  
>> and see if he wants to relicense his code as LGPL... but at this  
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>=20  
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> applications are also GPL-2 which imo is just wrong. it isnt  
the  
> place of a  
> library to dictact to application writes what license they should  
> be using.  
> thus LGPL-2.1 enters to fill this void.  
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro  
> maintainers to get together with Alec in a conversation and come to a  
> decision as to what licensing scheme y'all want. I haven't really done  
> much other than cleaning up the packaging and patches and a small  
> bit of  
> additional code, so whatever licensing y'all come up with is fine  
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be  
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would

like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro  
>> maintainers to get together with Alec in a conversation and come to a  
>> decision as to what licensing scheme y'all want. I haven't really done  
>> much other than cleaning up the packaging and patches

and a small

>> bit of  
>> additional code, so whatever licensing y'all come up with is fine  
>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be  
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro  
>>> maintainers to get together with Alec in a conversation and come to a  
>>> decision as to what licensing scheme y'all want. I haven't really done  
>>> much other than cleaning up the packaging and patches and a small  
>>> bit of  
>>> additional code, so whatever licensing y'all come up with is fine  
>>> by me.

>>

>> I am sympathetic. Guys, what do you reckon?

>>

>> What I am hearing so far is that LGPL makes sense, since it can be  
>> linked with any code, not just GPL...

>

> My apologies for not chiming in in anything resembling a reasonable  
> timeframe.

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> GPL to use the library, too, which would be sufficient for the packages  
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message

as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.

> >

> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we

> > make the change now ?

>

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

-----

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

-----

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use

nneul@neulinger.org.

-----

From alecm@crypticide.com Mon Oct 1 12:26:03 2007

Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:03 -0500

Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:02 -0500

Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umn.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umn.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct  
2007 09:59:50 -0700 (PDT)  
Received: from [82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umn.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status:  
RO  
Content-Length: 585  
Lines: 21

>

> ----- Forwarded message -----

> From: Neulinger, Nathan <nneul@umn.edu>

> Date: Sep 27, 2007 2:58 PM

> Subject: RE: cracklib license

> To: alecm@crypto.dircon.co.uk

>

> Any chance you could write me a self-contained email stating clearly

> that the license is being changed to GPL, so I could include that

> email

> in the repository and clean up the repository/tarballs? I have all the

> original discussion, but something succinct and self contained

> would be

> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

-----  
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected  
in released code until Nov 2009 - slow release cycle...)  
-----

Discussion thread from mailing list archive, with approval from everyone actively  
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly  
and see if he wants to relicense his code as LGPL... but at this point,  
it was enough to just get it consistent and documented as to what it was  
released under. This wasn't actually a license change, just a  
clarification of the licensing that was already in place.=20

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license  
>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML  
On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel]  
cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46  
Seems like the ideal thing here would be for you and the other distro  
maintainers to get together with Alec in a conversation and come to a  
decision as to what licensing scheme y'all want. I haven't really done  
much other than cleaning up the packaging and patches and a small bit of  
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

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> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

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to dictact to application writes what license they should

> be using.

> thus LGPL-2.1 enters to fill this void.

> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro

> maintainers to get together with Alec in a conversation and come to a

> decision as to what licensing scheme y'all want. I haven't really done

> much other than cleaning up the packaging and patches and a small

> bit of

> additional code, so whatever licensing y'all come up with is fine

> by me.



I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's

best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro  
>> maintainers to get together with Alec in a conversation and come to a  
>> decision as to what licensing scheme y'all want. I haven't really done  
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> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the

GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

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-mike

Re: [Cracklib-devel] cracklib license

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Re: [Cracklib-devel] cracklib license

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Attachments: Message as HTML

On Sunday 05 October

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-----

From  
alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umn.edu ([131.151.0.192]) by UMR-CMAIL1.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);  
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Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umn.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umn.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from  
[82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOeX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umn.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length:  
585  
Lines: 21  
  
>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umn.edu>  
> Date: Sep 27, 2007 2:58 PM

> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

# 1.493 libksba 1.3.5-7.el8

## 1.493.1 Available under license :

### GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

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To

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The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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---

abstract: 'Expand tabs and do simple line wrapping'

author:

- 'David Muir Sharnoff <muir@idiom.org>'

build\_requires:

ExtUtils::MakeMaker: 0

configure\_requires:

ExtUtils::MakeMaker: 0

dynamic\_config: 1

generated\_by: 'ExtUtils::MakeMaker version 6.62, CPAN::Meta::Converter version 2.112150'

license: unknown

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Text-Tabs+Wrap

no\_index:

directory:

- t

- inc

requires: { }

resources:

repository: <http://github.com/muir/Text-Tabs-Wrap>



version: 2013.0523

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1019676549\_1591379882.87/0/perl-Text-Tabs+Wrap-2013.0523-395.el8.src.rpm-cosi-expand-archive-WoUTJPer/Text-Tabs+Wrap-2013.0523.tar.gz-cosi-expand-archive-ZHl6Ysd/Text-Tabs+Wrap-2013.0523/META.yml

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# 1.496 ipset 7.1-1.el8

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# 1.497 libedit 3.1-23.20170329cvs.el8

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## 1.498 findutils 4.6.0-20.el8

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Version 3, 29 June 2007

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### Source Files

-----

. The file ``src/libs/snprintf/snprintf.c'`, written by Mark Martinec <mark.martinec@ijs.si>.

Please look into `snprintf.c` for the copyright message.

The complete `snprintf` package together with documentation is available from

<http://www.ijs.si/software/snprintf/> .

. The ``grn'` preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and

are in the public domain.

The original package can be found at  
<http://ftp.cs.wisc.edu/pub/misc/grn.tar.Z>

```
src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp
```

. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

```
src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c
```

```
src/include/DviChar.h
src/include/XFontName.h
```

```
src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c
```

## Macro Packages

-----

- . The -mdoc macro set, using the BSD license.

```
tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man
```

- . The -me macro set, using the BSD license.

```
tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meintro_fr.me
doc/meref.me
```

## Hyphenation Patterns

-----

- . The file ``tmac/hyphen.us'` is identical to the file ``hyphen.tex'`, part of the TeX system written by Donald E. Knuth; the master file can be found at

```
ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex
```

.

It has been renamed for consistency, i.e., to make patterns available under the filenames ``hyphen.<language>'`, e.g. ``hyphen.de'` or ``hyphen.uk'`.

See the file itself for a copyright notice.

- . The file ``tmac/hyphen.fr'` contains the same patterns as the file ``frhyph.tex'` (for TeX), which can be found at

```
http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex .
```

The patterns have been converted to a format groff can understand.

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. The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at

<http://dante.ctan.org/CTAN/language/hyphenation/svhyph.tex> .

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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehypht.tex' (for TeX), which can be found at

<http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex>  
<http://dante.ctan.org/CTAN/language/hyphenation/dehypht.tex> .

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. The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at

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. The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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 the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
 being @var{list}.
@end group
@end smallexample
```

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

# 1.501 libgusb 0.3.0-1.el8

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## 1.503 libsbios 2.4.1-2.e18

### 1.503.1 Available under license :

/\* getopt.c - Command line argument parser

\*

\* Whom: Steve Mertz <steve@dragon-ware.com>

\* Date: 20010111

\* Why: Because I couldn't find one that I liked. So I wrote this one.

\*

\*/

/\*

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## 1.505 slang 2.3.2-3.e18

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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# 1.509 less 530-1.e18

## 1.509.1 Available under license :

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The

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## 1.511 aajohan-comfortaa-fonts 3.001-2.el8

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1018794554\_1591321543.8/0/aajohan-comfortaa-fonts-3.001-2.el8.src.rpm-cosi-expand-archive-tVeLQ0EK/aajohan-comfortaa-fonts.spec

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Font Information / Notes from the Author:

Read me V1.6 - 26/12 - 2011

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Windows:

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Put the files into /Library/Fonts (for all users),  
or into /Users/Your\_username/Library/Fonts  
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## ChangeLog:

Please list both major and minor changes made to Comfortaa here (in case of derivative works) - most recent first.

### January 2017

- Version 3.001
- Comfortaa has been improved as part of the Google Font Improvements Project
- Smaller and major changes to all characters
- Added support for Vietnamese

### 8. May 2013

- Version 2.004 2013
- Corrected problems with Cyrillic kerning
- Small correction to uppercase "S"

### 8. August 2012

- Version 2.003 2012
- Corrected the "upside down questionmark" which was facing the wrong direction.

### 2. January 2012

- Version 2.002 2012
- Fixes an issue with the font naming that could result in difficulty when installing or using.

### 26. December 2011

- Version 2.001 2011
- basic hinting added (not included in v2.000)
- small increase of the space width.

### 29. July 2011

- Version 2.000 2011
- All characters redone at a higher quality. Some characters have changed more than others, e.g. s and A.
- Spacing rethought, as well as kerning
- This version is released to the google web fonts service only.

### 6. December 2010

- Changed filenames to include dashes "-" instead of spaces.
- Changed name of "Comfortaa thin" to "Comfortaa-light"
- Changed the font weight info of Comfortaa-light from 250 to 300
- Made changes to Fontlog.txt (Included the readme file in the fontlog file)

### 30. November 2010

- Corrected "cyrillic small letter yi" and "dotless i" (version 1.004 2010)

20. July 2010

- Comfortaa released under a new license: SIL Open Font License, Version 1.1.

22. June 2009

- Cyrillic character set added

- Minor changes made to kerning

4. Decemeber 2008

- Initial release of font family "Comfortaa"

#### Acknowledgements

If you make modifications be sure to add your name (N), email (E), web-address (W) and description (D). This list is sorted by last name in alphabetical order.

N: Johan Aakerlund

E: aajohan@gmail.com

W: aajohan.deviantart.com/

D: Designer/creator of Comfortaa

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1018794554_1591321543.8/0/aajohan-comfortaa-fonts-3.001-2.el8.src.rpm-cosi-expand-archive-tVeLQ0EK/comfortaa__font_by_aajohan-d1qr019.zip-cosi-expand-archive-rytG5Lwy/3.001/FONTLOG.txt
```

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```
* /opt/ws_local/PERMITS_SQL/1018794554_1591321543.8/0/aaajohan-comfortaa-fonts-3.001-2.el8.src.rpm-cosi-expand-archive-tVeLQ0EK/comfortaa__font_by_aaajohan-d1qr019.zip-cosi-expand-archive-rytG5Lwy/3.001/OFL.txt
```

## 1.512 json-glib 1.4.4-1.el8

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square

root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on

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# 1.513 libaio 0.3.112-1.el8

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a)

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will

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!<arch>

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H&&

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d6.text P`.data@P.bssP.idata\$2@0.idata\$5@0.idata\$4@0

.filefakehnamefthunk.text.data.bss.idata\$2.idata\$4.idata\$5J\_head\_C\_\_Users\_Peter\_Code\_winapi\_rs\_x86\_64\_lib\_libwinapi\_oemlicense\_a\_\_C\_\_Users\_Peter\_Code\_winapi\_rs\_x86\_64\_lib\_libwinapi\_oemlicense\_a\_inamedgbabs0001.o/ 1516160780 0 0 100666 694 `

d

.text, `0`.data@0.bss0.idata\$74j0.idata\$58t0.idata\$4@~0.idata\$6H %RemoveDemoAppLicense.text.data.bss.idata\$7.idata\$5.idata\$4.idata\$64zRemoveDemoAppLicense\_\_imp\_RemoveDemoAppLicense\_head\_C\_\_Users\_Peter\_Code\_winapi\_rs\_x86\_64\_lib\_libwinapi\_oemlicense\_adgbabs00000.o/ 1516160780 0 0 100666 684 `

d

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!<arch>

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DemoAppLicense@8\_\_imp\_\_AddDemoAppLicense@8doxebt.o/ 1516160955 0 0 100666 628 `

L.text

0`.data@0.bss0.idata\$4@0.idata\$5@0.idata\$7@0OEMLicense.dll.filefake.text.data.bss.idata\$4.idata\$5.idata\$7J\_\_  
C\_\_Users\_Peter\_Code\_winapi\_rs\_i686\_lib\_libwinapi\_oemlicense\_a\_inamedoxebh.o/ 1516160955 0 0  
100666 741 `

L6.text 0`.data@0.bss0.idata\$2@0.idata\$5@0.idata\$4@0

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winapi\_oemlicense\_a\_\_C\_\_Users\_Peter\_Code\_winapi\_rs\_i686\_lib\_libwinapi\_oemlicense\_a\_iname  
doxebs00001.o/ 1516160955 0 0 100666 691 `

L

.text,X 0`.data@0.bss0.idata\$74b0.idata\$58i0.idata\$4<v0.idata\$6@ %RemoveDemoAppLicense

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1516160955 0 0 100666 681 `

L|

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## 1.526 glib-networking 2.56.1-1.1.el8

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# 1.533 diffutils 3.6-6.el8

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 the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
 being @var{list}.
@end group
@end smallexample
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

# 1.534 bubblewrap 0.4.0-1.el8

## 1.534.1 Available under license :

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# 1.535 openssl-pkcs11 0.4.10-2.el8

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the

Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of



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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally

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# 1.536 nghttp2 1.33.0-3.el8\_2.1

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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## 1.537 newt 0.52.20-11.el8

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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