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1.2 acpid 2.0.22

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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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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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```
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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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1.3 alsa-lib 1.0.28

1.3.1 Available under license :

```
/*
 * ALSA lisp implementation
 * Copyright (c) 2003 by Jaroslav Kysela <perex@perex.cz>
 *
 * Based on work of Sandro Sigala (slisp-1.2)
 *
 *
 * This library is free software; you can redistribute it and/or modify
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 * Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
 */
```

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Version 2.1, February 1999

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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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When a "work that uses the Library" uses material from a header file

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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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1.4 **alsa-utils 1.0.28**

1.4.1 **Available under license :**

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Version 2, June 1991

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```

```
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Ty Coon, President of Vice
```

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1.5 apr 1.5.1

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file_io/unix/mktemp.c, strings/apr_strings.c:

```
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```
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```

From dso/aix/dso.c:

```
* Based on libdl (dlfcn.c/dlfcn.h) which is
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```

From strings/apr_strnatcmp.c, include/apr_strings.h:

```
strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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```

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From strings/apr_snprintf.c:

```
*  
* cvt - IEEE floating point formatting routines.  
*   Derived from UNIX V7, Copyright(C) Caldera International Inc.  
*
```

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1.6 apr-util 1.5.3

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```
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1.7 at 3.1.15

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In August 2009 the upstream development and Debian packaging were taken over by Ansgar Burchardt <ansgar@debian.org> and Cyril Brulebois <kibi@debian.org>.

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1.9 avahi 0.6.31

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1.10 bash 4.3

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1.13 bind 9.9.5

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Automated Testing Framework

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* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* `admin/check-style.sh`, `admin/check-style-common.awk`, `admin/check-style-cpp.awk`, `admin/check-style-shell.awk`: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

<!--

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<!-- \$Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp \$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

<xsl:template name="isc.copyright.format">
 <xsl:param name="text"/>
 <xsl:value-of select="\$isc.copyright.leader"/>
 <xsl:value-of select="normalize-space(substring-before(\$text, '
'))"/>
 <xsl:text>
</xsl:text>
 <xsl:variable name="rest" select="substring-after(\$text, '
')"/>
 <xsl:if test="translate(\$rest, '	 ','')">
 <xsl:call-template name="isc.copyright.format">
 <xsl:with-param name="text" select="\$rest"/>
 </xsl:call-template>
 </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
 <xsl:text>
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</xsl:text>
 </xsl:variable>


```

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>

```

```

</xsl:stylesheet>

```

```

<!--

```

- Local variables:
- mode: sgml
- End:

```

-->

```

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1.14 binutils 2.24

1.14.1 Available under license :

(This file is under construction.) *- text *-

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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

@end display

@appendixsubsec 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.

This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, 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 and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these 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 other code 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.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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.

We call this license the @dfn{Lesser} General Public License because it does @emph{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.

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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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@item

This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ``this License"). Each licensee is addressed as ``you".

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.

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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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The modified work must itself be a software library.

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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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You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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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

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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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.

@item

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.

@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, 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.

@item

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:

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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

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.

@item

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.

@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

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.

@item

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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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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Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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@center END OF TERMS AND CONDITIONS

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@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}

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library 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 library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

@end smallexample

Also add information on how to contact you by electronic and paper mail.

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!

1.15 bluez4 4.101

1.15.1 Available under license :

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To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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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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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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1.16 boost 1.56.0

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the

garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

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More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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//

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//

// See <http://www.boost.org/libs/intrusive> for documentation.

//

//

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP

#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#include <boost/intrusive/detail/config_begin.hpp>

#include <cstddef>

```
namespace boost {  
namespace intrusive {  
namespace detail {
```

```
template <typename T, typename U>
```

```
struct is_same
```

```
{  
    static const bool value = false;  
};
```

```
template <typename T>
```

```
struct is_same<T, T>
```

```
{  
    static const bool value = true;  
};
```

```
template<typename T>
```

```
struct add_const
```

```
{ typedef const T type; };
```

```
template<typename T>
```

```
struct remove_const
```

```
{ typedef T type; };
```



```
template<typename T>
struct remove_const<const T>
{ typedef T type; };
```

```
template<typename T>
struct remove_cv
{ typedef T type; };
```

```
template<typename T>
struct remove_cv<const T>
{ typedef T type; };
```

```
template<typename T>
struct remove_cv<const volatile T>
{ typedef T type; };
```

```
template<typename T>
struct remove_cv<volatile T>
{ typedef T type; };
```

```
template<class T>
struct remove_reference
{
    typedef T type;
};
```

```
template<class T>
struct remove_reference<T&>
{
    typedef T type;
};
```

```
typedef char one;
struct two { one _[2];};
```

```
template< bool C_ >
struct bool_
{
    static const bool value = C_;
};
```

```
template< class Integer, Integer Value >
struct integer
{
    static const Integer value = Value;
};
```



```

typedef bool_<true>    true_;
typedef bool_<false>   false_;

typedef true_  true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};

#ifdef _MSC_VER && (_MSC_VER >= 1400)

template <class T, class U>
struct is_convertible
{
    static const bool value = __is_convertible_to(T, U);
};

#else

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    //use any_conversion as first parameter since in MSVC
    //overaligned types can't go through ellipsis
    static false_t dispatch(...);
};


```



```

static true_t dispatch(U);
static typename remove_reference<T>::type &trigger();
public:
static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

```

```

#endif

```

```

template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
    typedef T1 type;
};

```

```

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

```

```

template<
    typename C
    , typename T1
    , typename T2
>
struct if_
{
    typedef typename if_c<0 != C::value, T1, T2>::type type;
};

```

```

template<
    bool C
    , typename F1
    , typename F2
>
struct eval_if_c
: if_c<C,F1,F2>::type
{};

```

```

template<
    typename C

```



```

    , typename T1
    , typename T2
>
struct eval_if
    : if_<C,T1,T2>::type
{
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

#ifdef BOOST_MSVC || defined(__BORLANDC__)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TT_DECL
#endif

#ifdef _MSC_EXTENSIONS && !defined(__BORLAND__) && !defined(_WIN64) &&
!defined(_M_ARM) && !defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{
    static const bool value = false;
};

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)()>
{
    static const bool value = true;
};

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(>
{
    static const bool value = true;
};

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)()>
{
    static const bool value = true;
};

#endif

#ifdef _MANAGED

```



```

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)()>
{ static const bool value = true; };

#endif

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)()>
{ static const bool value = true; };

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(...)>
{ static const bool value = true; };

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{ static const bool value = true; };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{ static const bool value = true; };

#endif

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0)>
{ static const bool value = true; };

template <typename R, class T0>

```



```

struct is_unary_or_binary_function_impl<R (__cdecl*)(T0...)>
{ static const bool value = true; };

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{ static const bool value = true; };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>
{ static const bool value = true; };

#endif

#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1)>
{ static const bool value = true; };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{ static const bool value = true; };
#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&>
{ static const bool value = false; };

template<typename T>
struct is_unary_or_binary_function
{ static const bool value = is_unary_or_binary_function_impl<T>::value; };

```



```

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative
template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
    char c;
    T t;
    alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{
    static const std::size_t value = A < S ? A : S;
};

template< typename T >
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
        >::value;
};

template<class Class>
class is_empty_class
{
    template <typename T>
    struct empty_helper_t1 : public T
    {
        empty_helper_t1();
        int i[256];
    };

    struct empty_helper_t2
    { int i[256]; };

    public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

```



```

};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
////////////////////////////////////////////////////////////////
//
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// (See accompanying file LICENSE_1_0.txt or copy at
// http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/container for documentation.
//
////////////////////////////////////////////////////////////////

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifdef _MSC_VER
# pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>

#include <cstddef>

namespace boost {
namespace container {
namespace container_detail {

```



```

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
    operator bool() const { return bool_::value; }
};

typedef bool_<true>    true_;
typedef bool_<false>   false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {};

#if defined(_MSC_VER) && (_MSC_VER >= 1400)

template <class T, class U>
struct is_convertible

```



```

{
    static const bool value = __is_convertible_to(T, U);
};

#else

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    //use any_conversion as first parameter since in MSVC
    //overaligned types can't go through ellipsis
    static false_t dispatch(...);
    static true_t dispatch(U);
    static T &trigger();
public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

#endif

template<
    bool C
    , typename T1
    , typename T2
    >
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
    , typename T2
    >
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
    >
struct if_
{

```



```

typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
{
    typedef Pair          argument_type;
    typedef typename Pair::first_type  result_type;

    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    { return x.first; }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    { return x; }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T  argument_type;
    typedef T  result_type;

    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

```



```

template <typename T> struct unvoid { typedef T type; };
template <> struct unvoid<void> { struct type { }; };
template <> struct unvoid<const void> { struct type { }; };

} //namespace container_detail {
} //namespace container {
} //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
////////////////////////////////////
//
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//
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// (See accompanying file LICENSE_1_0.txt or copy at
// http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/interprocess for documentation.
//
////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if defined(_MSC_VER)
# pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

```



```

typedef bool_<true>    true_;
typedef bool_<false>   false_;

typedef true_  true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
    typedef T1 type;
};

```



```

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
// : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    { return x.first; }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    { return x; }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

```



```
template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};
```

```
template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};
```

```
    } //namespace ipcdetail {
    } //namespace interprocess {
    } //namespace boost {
```

```
#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
```

The following people hereby grant permission to replace all existing licenses on their contributions to Boost with the Boost Software License, Version 1.0. (boostinspect:nolicense boostinspect:nocopyright)

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 Rational Discovery LLC (Greg Landrum Landrum -at- RationalDiscovery.com) (See Boost list post of Tue, 17 Aug 2004 10:35:36 +0100)
 Rene Rivera (grafik/redshift-software.com, rriviera/acm.org)
 Robert Ramey (ramey@www.rrsd.com)
 Roland Richter (roland -at- flll.jku.at) (See Boost list post of Mon, 16 Aug 2004 22:16:55 +0200)
 Roland Schwarz (roland.schwarz -at- chello.at)
 Ronald Garcia (garcia -at- cs.indiana.edu) (Email to Andreas Huber, see change log)
 Samuel Krempp (krempp -at- crans.ens-cachan.fr) (See Boost list message of Mon, 27 Sep 2004 13:18:36 +0200)
 Stefan Seefeld (seefeld -at- sympatico.ca)
 Stephen Cleary (sclenary -at- jerviswebb.com) (See Boost list message of Tue, 28 Sep 2004 13:11:46 +0100)
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 Thorsten Ottosen (nesotto - at - cs.auc.dk)
 Toon Knapen (toon dot knapen - at - fft.be)
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 Vladimir Prus (ghost@cs.msu.su)
 William E. Kempf () (email to Beman Dawes, 9/14/2006 4:18 PM)
 Joerg Walter (jhr.walter - at - t-online.de : email to ublas mailing list Mon, 17 Sep 2007 10:17:08 +0200)
 Mathias Koch (mkoch - at - idesis.de 7 : email to boost-owner@lists.boost.org Sep 2007 13:20:09 +0200)

--- end ---

```

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../.././doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.78.1">
<link rel="home" href="../.././index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">
<link rel="up" href="../.././index.html" title="Chapter&#160;1.&#160;Boost.TypeTraits">
<link rel="prev" href="../.././intrinsic.html" title="Support for Compiler Intrinsics">
<link rel="next" href="../.././examples.html" title="Examples">
</head>
<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
<td align="center"><a href="../.././index.html">Home</a></td>
<td align="center"><a href="../.././libs/libraries.htm">Libraries</a></td>
<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
<td align="center"><a href="../.././more/index.htm">More</a></td>

```



```

</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsics.html"></a><a
accesskey="u" href="../index.html"></a><a accesskey="h"
href="../index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
<div class="section">
<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_ttypetraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
All the value based traits in this library conform to MPL's requirements for
an <a href="../../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
Constant type</a>: that includes a number of rather intrusive workarounds
for broken compilers.
</p>
<p>
Purely as an implementation detail, this means that <code class="computeroutput"><a class="link"
href="reference/integral_constant.html" title="integral_constant">true_type</a></code>
inherits from <a href="../../../libs/mpl/doc/refmanual/bool.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code></a>,
<code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">false_type</a></code>
inherits from <a href="../../../libs/mpl/doc/refmanual/bool.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">false_</span></code></a>,
and <code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">integral_constant</a><span class="special"></span><span
class="identifier">T</span><span class="special">,</span>
<span class="identifier">v</span><span class="special">></span></code>
inherits from <a href="../../../libs/mpl/doc/refmanual/integral-c.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">integral_c</span><span
class="special"></span><span class="identifier">T</span><span class="special">,</span><span
class="identifier">v</span><span class="special">></span></code></a>
(provided <code class="computeroutput"><span class="identifier">T</span></code> is not <code
class="computeroutput"><span class="keyword">bool</span></code>)
</p>
</div>
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
<td align="left"></td>
<td align="right"><div class="copyright-footer">Copyright &#169; 2000, 2011 Adobe Systems Inc, David
Abrahams,
Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant,

```


Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven Watanabe

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```

</p>
</div></td>
</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsics.html"></a><a
accesskey="u" href="../../index.html"></a><a accesskey="h"
href="../../index.html"></a><a accesskey="n"
href="../../examples.html"></a>
</div>
</body>
</html>
[/
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]

```

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [@ ../../libs/mpl/doc/refmanual/integral-constant.html Integral Constant type]: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type`` inherits from [@ ../../libs/mpl/doc/refmanual/bool.html `boost::mpl::true_``, `__false_type`` inherits from [@ ../../libs/mpl/doc/refmanual/bool.html `boost::mpl::false_``, and `__integral_constant<T, v>`` inherits from [@ ../../libs/mpl/doc/refmanual/integral-c.html `boost::mpl::integral_c<T,v>``] (provided `T`` is not `bool``)

```

[endsect]
#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

```



```

def authors(filename):
    log = run(['git', 'log', '--follow',
              '--date=short', '--format=%aN%x09%ad', filename],
              universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('\t')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '{0}' if start.year == end.year else '{0}-{1}'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
    return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
    for i, line in enumerate(content[:15]):
        m = re.match(r'^(?P<prefix>\W*)(\((c\))?\s*?copyright\s*(\((c\))?\s+\d{4}(\s*-\s*\d{4}))?\s+(?P<name>.+?)\s*$',
line, re.IGNORECASE)
        if m:
            d = m.groupdict()
            prefix.add(d['prefix'])
            lines.append(i)
            names.append(d['name'].strip())
    if len(prefix) != 1:
        print 'Not found:', filename
        return
    prefix = list(prefix)[0]

    print filename
    new = iter(new_copyright(filename, names))
    with open(filename, 'w') as f:

```



```

    for i, line in enumerate(content):
        if i in lines:
            for repl in new:
                print >>f, prefix + repl
            else:
                print >>f, line,
        pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

for f in all_files():
    fix_copyright(f)
<?xml version="1.0" encoding="utf-8"?>

<!-- Copyright (c) 2001-2006 CrystalClear Software, Inc.
      Subject to the Boost Software License, Version 1.0.
      (See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE\_1\_0.txt)
-->

<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../index.htm">
  <imagedata align="left"
    format="GIF"
    fileref="../../boost.png"
    alt="C++ Boost" />
</ulink>-->
<!--hr /-->
<para>
  The following is the overall license for the boost date_time
  library. This notice is found in all source files related to the
  library.
</para>
<para>
  Copyright &#169; 2002 CrystalClear Software, Inc.
</para>
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  and its documentation for any purpose is hereby granted without
  fee, provided that the above copyright notice appear in all copies
  and that both that copyright notice and this permission notice
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```


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</para>

<!--hr / -->

<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>

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</section>

[/

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]

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[/=====

Boost.Geometry (aka GGL, Generic Geometry Library)

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- implemented file-format e.g. WKB
- implemented specific strategy or algorithm e.g. intersections

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FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE,
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DEALINGS IN THE SOFTWARE.

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE article PUBLIC "-//Boost/DTD BoostBook XML V1.0//EN"

"<http://www.boost.org/tools/boostbook/dtd/boostbook.dtd>">


```

<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
  <copyright>
    <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
  </copyright>
  <copyright>
    <year>2018</year> <holder>Joe Blow, John Coe</holder>
  </copyright>
  <copyright>
    <year>1977</year> <year>1985</year> <holder>Someone else</holder>
  </copyright>
</articleinfo>
</article>
[article Copyright Test
[quickbook 1.5]
[copyright 1963-1965 Jane Doe, 2018 Joe Blow, John Coe]
[copyright 1977,1985 Someone else]
]
[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]

```

Maybe this should pass?

```

[article Invalid copyright years
[quickbook 1.5]
[copyright 2010-2001 Timequake man]
]
/*
*
* Copyright (c) 2003 Dr John Maddock
* Use, modification and distribution is subject to the
* Boost Software License, Version 1.0. (See accompanying file
* LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
*
*/

```

```

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>

```



```

#include <boost/throw_exception.hpp>

//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){ }
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=\"" << (p.root / p.file).string() << "\">" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
    }
}

```



```

    msg += " for output.";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}
os <<
    "<!DOCTYPE HTML PUBLIC \"/>
    "<html>\n"
    "<head>\n"
    "<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
    "</title>\n"
    "</head>\n"
    "<body>\n"
    "<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
    "</H1>\n"
    "<H2>Contents</h2>\n"
    "<pre><a href=\"#input\">Input Information</a>\n";
if(!m_bsl_summary_mode)
    os << "<a href=\"#summary\">Licence Summary</a>\n";
os << "<a href=\"#details\">Licence Details</a>\n";

while(i != j)
{
    // title:
    os << " <A href=\"#\" << make_link_target(licenses.first[i->first].license_name)
        << "\"> << licenses.first[i->first].license_name << "</a>\n";
    ++i;
}

os << "<a href=\"#files\">Files with no recognised license</a>\n"
    "<a href=\"#authors\">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
        "Moving to the Boost Software License...\n"
        " <a href=\"#bsl-converted\">Files that can be automatically converted to the Boost Software License</a>\n"
        " <a href=\"#to-bsl\">Files that can be manually converted to the Boost Software License</a>\n"
        " <a href=\"#not-to-bsl\">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
        " <a href=\"#need-bsl-authors\">Authors we need to move to the Boost Software License</a>\n"

```



```

    "<a href=\"#copyright\">Copyright Holder Information</a>\n";
}
os <<
    "<a href=\"#depend\">File Dependency Information</a>\n"
    "</pre>";

//
// input Information:
//
os << "<a name=\"input\"></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies:<BR>";
else
    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[[[:blank:]]*#[[:blank:]]*define[[[:blank:]]+BOOST_VERSION[[[:blank:]]+((\\d+))");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100
    << "</P>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
    // start with the summary:

```



```

//
os << "<a name=\"summary\"></a><h2>Licence Summary</h2>\n";
while(i != j)
{
    // title:
    os <<
        "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    // Copyright holders:
    os << "<P>This license is used by " << i->second.authors.size()
        << " authors and " << i->second.files.size()
        << " files <a href=\"#" << make_link_target(licenses.first[i->first].license_name) << "\">(see details)</a>";
    os << "</P></BLOCKQUOTE>\n";
    ++i;
}
}
//
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name=\"details\"></a><h2>Licence Details</h2>\n";
while(i != j)
{
    // title:
    os <<
        "<H3><A name=\"" << make_link_target(licenses.first[i->first].license_name)
        << "\"></a>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if(!m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
        os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:</P>\n<BLOCKQUOTE><P>";
        std::set<std::string>::const_iterator x, y;
        x = i->second.authors.begin();
        y = i->second.authors.end();
        while(x != y)
        {
            os << *x << "<BR>\n";
            ++x;
        }
        os << "</P></BLOCKQUOTE>\n";
        // Files using this license:
        os << "<P>This license applies to the following " << i->second.files.size() << "

```



```

files:</P>\n<BLOCKQUOTE><P>";
    std::set<fs::path, path_less>::const_iterator m, n;
    m = i->second.files.begin();
    n = i->second.files.end();
    while(m != n)
    {
        os << split_path(m_boost_path, *m) << "<br>\n";
        ++m;
    }
    os << "</P></BLOCKQUOTE>\n";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n"
    "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>\n";
    std::set<fs::path, path_less>::const_iterator i2, j2;
    i2 = m_unknown_licenses.begin();
    j2 = m_unknown_licenses.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name=\"authors\"></a>Files With No Recognisable Copyright Holder</h2>\n"
    "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n<BLOCKQUOTE><P>";
    i2 = m_unknown_authors.begin();
    j2 = m_unknown_authors.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";

```



```

if(!m_bsl_summary_mode)
{
    //
    // Output list of files that have been moved over to the Boost
    // Software License, along with enough information for human
    // verification.
    //
    os << "<h2><a name=\"bsl-converted\"></a>Files that can be automatically converted to the Boost Software
License</h2>\n"
    << "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost
Software License, but require manual verification before they can be committed to CVS:</P>\n";
    if (!m_converted_to_bsl.empty())
    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
            ::const_iterator conv_iterator;
        conv_iterator i = m_converted_to_bsl.begin(),
            ie = m_converted_to_bsl.end();
        int file_num = 1;
        while (i != ie)
        {
            os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
                << "</tt><br>\n<table border=\"1\">\n <tr>\n <td><pre>"
                << i->second.first << "</pre></td>\n <td><pre>"
                << i->second.second << "</pre></td>\n </tr>\n</table>\n";
            ++i;
            ++file_num;
        }
    }
    //
    // Output list of files that could be moved over to the Boost Software License
    //
    os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\n"
    "<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost
Software License, but have not yet been:</P>\n<BLOCKQUOTE><P>";
    i2 = m_can_migrate_to_bsl.begin();
    j2 = m_can_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
    //
    // Output list of files that can not be moved over to the Boost Software License
    //
    os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\n"
    "<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software

```



```

License because we need the permission of more authors:</P>\n<BLOCKQUOTE><P>";
    i2 = m_cannot_migrate_to_bsl.begin();
    j2 = m_cannot_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
    //
    // Output list of authors that we need permission for to move to the BSL
    //
    os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\n"
        "<P>Permission of the following authors is needed before we can convert to the Boost Software License. The
list of authors that have given their permission is contained in <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
    std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
        std::ostream_iterator<std::string>(os, "<br>\n"));
    os << "</p></BLOCKQUOTE>";
    //
    // output a table of copyright information:
    //
    os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border=\"1\">\n";
    std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
    ad = m_author_data.begin();
    ead = m_author_data.end();
    while(ad != ead)
    {
        os << "<tr><td>" << ad->first << "</td><td>";
        std::set<fs::path, path_less>::const_iterator fi, efi;
        fi = ad->second.begin();
        efi = ad->second.end();
        while(fi != efi)
        {
            os << split_path(m_boost_path, *fi) << " ";
            ++fi;
        }
        os << "</td></tr>\n";
        ++ad;
    }
    os << "</table>\n";
}

//
// output file dependency information:
//
os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE><pre>\n";
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;

```



```

std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
            {
                os << " <I>(Circular dependency!)</I>";
                break; // circular dependency!!!
            }
            seen_deps.insert(dep->second);
            last_dep = dep;
            dep = m_dependencies.find(dep->second);
        }
}

```



```

        if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
            break;
    }
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>\n";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ".";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

}

<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.78.1">
<link rel="home" href="../../index.html" title="Chapter 1: Boost.TypeTraits">
<link rel="up" href="../../index.html" title="Chapter 1: Boost.TypeTraits">
<link rel="prev" href="intrinsic.html" title="Support for Compiler Intrinsics">
<link rel="next" href="examples.html" title="Examples">
</head>
<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
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<td valign="top"></td>
<td align="center"><a href="../../index.html">Home</a></td>
<td align="center"><a href="../../libs/libraries.htm">Libraries</a></td>
<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
<td align="center"><a href="../../more/index.htm">More</a></td>
</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsic.html"></a><a
accesskey="u" href="../../index.html"></a><a accesskey="h"
href="../../index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
<div class="section">

```



```

<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_typed_traits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
All the value based traits in this library conform to MPL's requirements for
an <a href="http://www.boost.org/libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
Constant type</a>: that includes a number of rather intrusive workarounds
for broken compilers.
</p>
<p>
Purely as an implementation detail, this means that <code class="computeroutput"><a class="link"
href="reference/integral_constant.html" title="integral_constant">true_type</a></code>
inherits from <a href="http://www.boost.org/libs/mpl/doc/refmanual/bool.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code></a>,
<code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">false_type</a></code>
inherits from <a href="http://www.boost.org/libs/mpl/doc/refmanual/bool.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">false_</span></code></a>,
and <code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">integral_constant</a><span class="special"></span><span
class="identifier">T</span><span class="special">,</span>
<span class="identifier">v</span><span class="special"></span></code>
inherits from <a href="http://www.boost.org/libs/mpl/doc/refmanual/integral-c.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">integral_c</span><span
class="special"></span><span class="identifier">T</span><span class="special">,</span><span
class="identifier">v</span><span class="special"></span></code></a>
(provided <code class="computeroutput"><span class="identifier">T</span></code> is not <code
class="computeroutput"><span class="keyword">bool</span></code>)
</p>
</div>
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
<td align="left"></td>
<td align="right"><div class="copyright-footer">Copyright © 2000, 2011 Adobe Systems Inc, David
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target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
</p>
</div></td>
</tr></table>

```



```

<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsics.html"></a><a
accesskey="u" href="../index.html"></a><a accesskey="h"
href="../index.html"></a><a accesskey="n"
href="examples.html"></a>
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```



```

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    and <code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">integral_constant</a><span class="special"></span><span
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href="http://www.boost.org/doc/src/images/home.png" alt="Home"></a><a accesskey="n"
href="http://www.boost.org/doc/src/images/next.png" alt="Next"></a>
</div>
</body>
</html>

```


1.17 busybox 1.22.1

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0.2 of 30 December 2001

/*

minibz2

libbz2.dll test program.

by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)

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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]

*/

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1.19 coreutils 8.22

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1.20 cpio 2.11

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1.21 cronie 1.4.11

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1.22 curl 7.37.1

1.23 curl 7.59

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=====

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1.24 db 6.0.30

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```
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 *
 * \$Id\$
 */

```
#include "db_config.h"
```

```
#include "db_int.h"
#include "dbinc/blob.h"
#include "dbinc/crypto.h"
#include "dbinc/db_page.h"
#include "dbinc/db_swap.h"
#include "dbinc/btree.h"
#include "dbinc/lock.h"
#include "dbinc/mp.h"
#include "dbinc/partition.h"
#include "dbinc/fop.h"
```

```
static void __bam_init_meta __P((DB *, BTMETA *, db_pgno_t, DB_LSN *));
```

```
/*
 * __bam_open --
 * Open a btree.
 *
 * PUBLIC: int __bam_open __P((DB *, DB_THREAD_INFO *,
```



```

* PUBLIC: DB_TXN *, const char *, db_pgno_t, u_int32_t));
*/
int
__bam_open(dbp, ip, txn, name, base_pgno, flags)
DB *dbp;
DB_THREAD_INFO *ip;
DB_TXN *txn;
const char *name;
db_pgno_t base_pgno;
u_int32_t flags;
{
BTREE *t;

COMPQUIET(name, NULL);
t = dbp->bt_internal;

/*
 * We don't permit the user to specify a prefix routine if they didn't
 * also specify a comparison routine, they can't know enough about our
 * comparison routine to get it right.
 */
if (t->bt_compare == __bam_defcmp && t->bt_prefix != __bam_defpfx) {
__db_errx(dbp->env, DB_STR("1006",
"prefix comparison may not be specified for default comparison routine"));
return (EINVAL);
}

/*
 * Verify that the bt_minkey value specified won't cause the
 * calculation of ovflsize to underflow [#2406] for this pagesize.
 */
if (B_MINKEY_TO_OVFLSIZE(dbp, t->bt_minkey, dbp->pgsize) >
B_MINKEY_TO_OVFLSIZE(dbp, DEFMINKEYPAGE, dbp->pgsize)) {
__db_errx(dbp->env, DB_STR_A("1007",
"bt_minkey value of %lu too high for page size of %lu",
"%lu %lu"), (u_long)t->bt_minkey, (u_long)dbp->pgsize);
return (EINVAL);
}

/* Start up the tree. */
return (__bam_read_root(dbp, ip, txn, base_pgno, flags));
}

/*
 * __bam_metachk --
 */
* PUBLIC: int __bam_metachk __P((DB *, const char *, BTMETA *));
*/

```



```

int
__bam_metachk(dbp, name, btm)
DB *dbp;
const char *name;
BTMETA *btm;
{
    ENV *env;
    u_int32_t vers;
    int ret;

    env = dbp->env;
    ret = 0;

    /*
     * At this point, all we know is that the magic number is for a Btree.
     * Check the version, the database may be out of date.
     */
    vers = btm->dbmeta.version;
    if (F_ISSET(dbp, DB_AM_SWAP))
        M_32_SWAP(vers);
    switch (vers) {
    case 6:
    case 7:
        __db_errx(env, DB_STR_A("1008",
            "%s: btree version %lu requires a version upgrade",
            "%s %lu"), name, (u_long)vers);
        return (DB_OLD_VERSION);
    case 8:
    case 9:
    case 10:
        break;
    default:
        __db_errx(env, DB_STR_A("1009",
            "%s: unsupported btree version: %lu", "%s %lu"),
            name, (u_long)vers);
        return (EINVAL);
    }

    /* Swap the page if we need to. */
    if (F_ISSET(dbp, DB_AM_SWAP) &&
        (ret = __bam_mswap(env, (PAGE *)btm)) != 0)
        return (ret);

    /*
     * Check application info against metadata info, and set info, flags,
     * and type based on metadata info.
     */
    if ((ret =

```



```

__db_fchk(env, "DB->open", btm->dbmeta.flags, BTM_MASK)) != 0)
return (ret);

if (F_ISSET(&btm->dbmeta, BTM_RECNO)) {
    if (dbp->type == DB_BTREE)
        goto wrong_type;
    dbp->type = DB_RECNO;
    DB_ILLEGAL_METHOD(dbp, DB_OK_RECNO);
} else {
    if (dbp->type == DB_RECNO)
        goto wrong_type;
    dbp->type = DB_BTREE;
    DB_ILLEGAL_METHOD(dbp, DB_OK_BTREE);
}

if (F_ISSET(&btm->dbmeta, BTM_DUP))
    F_SET(dbp, DB_AM_DUP);
else
    if (F_ISSET(dbp, DB_AM_DUP)) {
        __db_errx(env, DB_STR_A("1010",
"%s: DB_DUP specified to open method but not set in database",
"%s"), name);
        return (EINVAL);
    }

if (F_ISSET(&btm->dbmeta, BTM_RECNUM)) {
    if (dbp->type != DB_BTREE)
        goto wrong_type;
    F_SET(dbp, DB_AM_RECNUM);

    if ((ret = __db_fcchk(env,
        "DB->open", dbp->flags, DB_AM_DUP, DB_AM_RECNUM)) != 0)
        return (ret);
} else
    if (F_ISSET(dbp, DB_AM_RECNUM)) {
        __db_errx(env, DB_STR_A("1011",
"%s: DB_RECNUM specified to open method but not set in database",
"%s"), name);
        return (EINVAL);
    }

if (F_ISSET(&btm->dbmeta, BTM_FIXEDLEN)) {
    if (dbp->type != DB_RECNO)
        goto wrong_type;
    F_SET(dbp, DB_AM_FIXEDLEN);
} else
    if (F_ISSET(dbp, DB_AM_FIXEDLEN)) {
        __db_errx(env, DB_STR_A("1012",

```



```

"%s: DB_FIXEDLEN specified to open method but not set in database",
"%s"), name);
return (EINVAL);
}

if (F_ISSET(&btm->dbmeta, BTM_RENUMBER)) {
if (dbp->type != DB_RECNO)
goto wrong_type;
F_SET(dbp, DB_AM_RENUMBER);
} else
if (F_ISSET(dbp, DB_AM_RENUMBER)) {
__db_errx(env, DB_STR_A("1013",
"%s: DB_RENUMBER specified to open method but not set in database",
"%s"), name);
return (EINVAL);
}

if (F_ISSET(&btm->dbmeta, BTM_SUBDB))
F_SET(dbp, DB_AM_SUBDB);
else
if (F_ISSET(dbp, DB_AM_SUBDB)) {
__db_errx(env, DB_STR_A("1014",
"%s: multiple databases specified but not supported by file",
"%s"), name);
return (EINVAL);
}

if (F_ISSET(&btm->dbmeta, BTM_DUPSORT)) {
if (dbp->dup_compare == NULL)
dbp->dup_compare = __bam_defcmp;
F_SET(dbp, DB_AM_DUPSORT);
} else
if (dbp->dup_compare != NULL) {
__db_errx(env, DB_STR_A("1015",
"%s: duplicate sort specified but not supported in database",
"%s"), name);
return (EINVAL);
}

#ifdef HAVE_COMPRESSION
if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
F_SET(dbp, DB_AM_COMPRESS);
if ((BTREE *)dbp->bt_internal != NULL &&
!DB_IS_COMPRESSED(dbp) &&
(ret = __bam_set_bt_compress(dbp, NULL, NULL)) != 0)
return (ret);
} else {
if ((BTREE *)dbp->bt_internal != NULL &&

```



```

    DB_IS_COMPRESSED(dbp)) {
    __db_errx(env, DB_STR_A("1016",
"%s: compresssion specified to open method but not set in database",
    "%s"), name);
    return (EINVAL);
    }
}
#else
if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
    __db_errx(env, DB_STR_A("1017",
    "%s: compression support has not been compiled in", "%s"),
    name);
    return (EINVAL);
}
#endif

/* Set the page size. */
dbp->pgsize = btm->dbmeta.pagesize;

dbp->blob_threshold = btm->blob_threshold;
GET_BLOB_FILE_ID(env, btm, dbp->blob_file_id, ret);
if (ret != 0)
    return (ret);
GET_BLOB_SDB_ID(env, btm, dbp->blob_sdb_id, ret);
if (ret != 0)
    return (ret);
/* Blob databases must be upgraded. */
if (vers == 9 && (dbp->blob_file_id != 0 || dbp->blob_sdb_id != 0)) {
    __db_errx(env, DB_STR_A("1207",
"%s: databases that support blobs must be upgraded.", "%s"),
    name);
    return (EINVAL);
}
#ifdef HAVE_64BIT_TYPES
if (dbp->blob_file_id != 0 || dbp->blob_sdb_id != 0) {
    __db_errx(env, DB_STR_A("1199",
    "%s: blobs require 64 integer compiler support.", "%s"),
    name);
    return (EINVAL);
}
#endif

/* Copy the file's ID. */
memcpy(dbp->fileid, btm->dbmeta.uid, DB_FILE_ID_LEN);

return (0);

wrong_type:

```



```

if (dbp->type == DB_BTREE)
    __db_errx(env, DB_STR("1018",
        "open method type is Btree, database type is Recno"));
else
    __db_errx(env, DB_STR("1019",
        "open method type is Recno, database type is Btree"));
return (EINVAL);
}

/*
 * __bam_read_root --
 * Read the root page and check a tree.
 *
 * PUBLIC: int __bam_read_root __P((DB *,
 * PUBLIC:     DB_THREAD_INFO *, DB_TXN *, db_pgno_t, u_int32_t));
 */
int
__bam_read_root(dbp, ip, txn, base_pgno, flags)
    DB *dbp;
    DB_THREAD_INFO *ip;
    DB_TXN *txn;
    db_pgno_t base_pgno;
    u_int32_t flags;
{
    BTMETA *meta;
    BTREE *t;
    DBC *dbc;
    DB_LOCK metalock;
    DB_MPOOLFILE *mpf;
    int ret, t_ret;

    COMPQUIET(flags, 0);

    meta = NULL;
    t = dbp->bt_internal;
    LOCK_INIT(metalock);
    mpf = dbp->mpf;
    ret = 0;

    /* Get a cursor. */
    if ((ret = __db_cursor(dbp, ip, txn, &dbc,
        F_ISSET(dbp, DB_AM_RECOVER) ? DB_RECOVER : 0)) != 0)
        return (ret);

    /* Get the metadata page. */
    if ((ret =
        __db_lget(dbc, 0, base_pgno, DB_LOCK_READ, 0, &metalock)) != 0)
        goto err;

```



```

if ((ret = __memp_fget(mpf, &base_pgno, ip, dbc->txn, 0, &meta)) != 0)
    goto err;

/*
 * If the magic number is set, the tree has been created. Correct
 * any fields that may not be right. Note, all of the local flags
 * were set by DB->open.
 *
 * Otherwise, we'd better be in recovery or abort, in which case the
 * metadata page will be created/initialized elsewhere.
 *
 * Ignore the last_pgno on the metadata page for snapshot transactions:
 * we may be reading an old version of the page, and we've already
 * set last_pgno from the file size. The only time this would matter
 * is if we don't have ftruncate and there are some free pages at the
 * end of the file: we could end up with holes.
 */
if (meta->dbmeta.magic == DB_BTREEMAGIC) {
    t->bt_minkey = meta->minkey;
    t->re_pad = (int)meta->re_pad;
    t->re_len = meta->re_len;

    t->bt_meta = base_pgno;
    t->bt_root = meta->root;
    t->revision = dbp->mpf->mfp->revision;
    if (PGNO(meta) == PGNO_BASE_MD &&
        !F_ISSET(dbp, DB_AM_RECOVER) &&
        (txn == NULL || !F_ISSET(txn, TXN_SNAPSHOT)) && (ret =
            __memp_set_last_pgno(mpf, meta->dbmeta.last_pgno)) != 0)
        goto err;
    } else {
        DB_ASSERT(dbp->env,
            IS_RECOVERING(dbp->env) || F_ISSET(dbp, DB_AM_RECOVER));
    }

    /*
     * !!!
     * If creating a subdatabase, we've already done an insert when
     * we put the subdatabase's entry into the master database, so
     * our last-page-inserted value is wrongly initialized for the
     * master database, not the subdatabase we're creating. I'm not
     * sure where the *right* place to clear this value is, it's not
     * intuitively obvious that it belongs here.
     */
    t->bt_lpgno = PGNO_INVALID;

err: /* Put the metadata page back. */
    if (meta != NULL && (t_ret = __memp_fput(mpf,

```



```

    ip, meta, dbc->priority)) != 0 && ret == 0)
    ret = t_ret;
    if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
        ret = t_ret;

    if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
        ret = t_ret;
    return (ret);
}

/*
 * __bam_init_meta --
 *
 * Initialize a btree meta-data page. The following fields may need
 * to be updated later: last_pgno, root.
 */
static void
__bam_init_meta(dbp, meta, pgno, lsnp)
    DB *dbp;
    BTMETA *meta;
    db_pgno_t pgno;
    DB_LSN *lsnp;
{
    BTREE *t;
#ifdef HAVE_PARTITION
    DB_PARTITION *part;
#endif
    ENV *env;

    env = dbp->env;
    t = dbp->bt_internal;

    memset(meta, 0, sizeof(BTMETA));
    meta->dbmeta.lsn = *lsnp;
    meta->dbmeta.pgno = pgno;
    meta->dbmeta.magic = DB_BTREEMAGIC;
    meta->dbmeta.version = DB_BTREEVERSION;
    meta->dbmeta.pagesize = dbp->pgsize;
    if (F_ISSET(dbp, DB_AM_CHKSUM))
        FLD_SET(meta->dbmeta.metaflags, DBMETA_CHKSUM);
    if (F_ISSET(dbp, DB_AM_ENCRYPT)) {
        meta->dbmeta.encrypt_alg = env->crypto_handle->alg;
        DB_ASSERT(env, meta->dbmeta.encrypt_alg != 0);
        meta->crypto_magic = meta->dbmeta.magic;
    }
    meta->dbmeta.type = P_BTREEMETA;
    meta->dbmeta.free = PGNO_INVALID;
    meta->dbmeta.last_pgno = pgno;

```



```

if (F_ISSET(dbp, DB_AM_DUP))
    F_SET(&meta->dbmeta, BTM_DUP);
if (F_ISSET(dbp, DB_AM_FIXEDLEN))
    F_SET(&meta->dbmeta, BTM_FIXEDLEN);
if (F_ISSET(dbp, DB_AM_RECNUM))
    F_SET(&meta->dbmeta, BTM_RECNUM);
if (F_ISSET(dbp, DB_AM_RENUMBER))
    F_SET(&meta->dbmeta, BTM_RENUMBER);
if (F_ISSET(dbp, DB_AM_SUBDB))
    F_SET(&meta->dbmeta, BTM_SUBDB);
if (dbp->dup_compare != NULL)
    F_SET(&meta->dbmeta, BTM_DUPSORT);
#ifdef HAVE_COMPRESSION
if (DB_IS_COMPRESSED(dbp))
    F_SET(&meta->dbmeta, BTM_COMPRESS);
#endif
if (dbp->type == DB_RECNO)
    F_SET(&meta->dbmeta, BTM_RECNO);
memcpy(meta->dbmeta.uid, dbp->fileid, DB_FILE_ID_LEN);

meta->minkey = t->bt_minkey;
meta->re_len = t->re_len;
meta->re_pad = (u_int32_t)t->re_pad;
meta->blob_threshold = dbp->blob_threshold;
SET_BLOB_META_FILE_ID(meta, dbp->blob_file_id, BTMETA);
SET_BLOB_META_SDB_ID(meta, dbp->blob_sdb_id, BTMETA);

#ifdef HAVE_PARTITION
if ((part = dbp->p_internal) != NULL) {
    meta->dbmeta.nparts = part->nparts;
    if (F_ISSET(part, PART_CALLBACK))
        FLD_SET(meta->dbmeta.metaflags, DBMETA_PART_CALLBACK);
    if (F_ISSET(part, PART_RANGE))
        FLD_SET(meta->dbmeta.metaflags, DBMETA_PART_RANGE);
}
#endif
}

/*
 * __bam_new_file --
 * Create the necessary pages to begin a new database file.
 *
 * This code appears more complex than it is because of the two cases (named
 * and unnamed). The way to read the code is that for each page being created,
 * there are three parts: 1) a "get page" chunk (which either uses malloc'd
 * memory or calls __memp_fget), 2) the initialization, and 3) the "put page"
 * chunk which either does a fop write or an __memp_fput.
 */

```



```

* PUBLIC: int __bam_new_file __P((DB *,
* PUBLIC:   DB_THREAD_INFO *, DB_TXN *, DB_FH *, const char *));
*/

int
__bam_new_file(dbp, ip, txn, fhp, name)
DB *dbp;
DB_THREAD_INFO *ip;
DB_TXN *txn;
DB_FH *fhp;
const char *name;
{
    BTMETA *meta;
    DBT pdbt;
    DB_LSN lsn;
    DB_MPOOLFILE *mpf;
    DB_PGINFO pginfo;
    ENV *env;
    PAGE *root;
    db_pgno_t pgno;
    int ret, t_ret;
    void *buf;

    env = dbp->env;
    mpf = dbp->mpf;
    root = NULL;
    meta = NULL;
    buf = NULL;

    if (F_ISSET(dbp, DB_AM_INMEM)) {
        /* Build the meta-data page. */
        pgno = PGNO_BASE_MD;
        if ((ret = __memp_fget(mpf, &pgno,
            ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta)) != 0)
            return (ret);
        LSN_NOT_LOGGED(lsn);
        __bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
        meta->root = 1;
        meta->dbmeta.last_pgno = 1;
        if ((ret =
            __db_log_page(dbp, txn, &lsn, pgno, (PAGE *)meta)) != 0)
            goto err;
        ret = __memp_fput(mpf, ip, meta, dbp->priority);
        meta = NULL;
        if (ret != 0)
            goto err;

        /* Build the root page. */
        pgno = 1;

```



```

if ((ret = __memp_fget(mpf, &pgno,
    ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &root)) != 0)
    goto err;
P_INIT(root, dbp->pgsize, 1, PGNO_INVALID, PGNO_INVALID,
    LEAFLEVEL, dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE);
LSN_NOT_LOGGED(root->lsn);
if ((ret =
    __db_log_page(dbp, txn, &root->lsn, pgno, root)) != 0)
    goto err;
ret = __memp_fput(mpf, ip, root, dbp->priority);
root = NULL;
if (ret != 0)
    goto err;
} else {
    memset(&pdbt, 0, sizeof(pdbt));

    /* Build the meta-data page. */
    pginfo.db_pagesize = dbp->pgsize;
    pginfo.flags =
        F_ISSET(dbp, (DB_AM_CHKSUM | DB_AM_ENCRYPT | DB_AM_SWAP));
    pginfo.type = dbp->type;
    pdbt.data = &pginfo;
    pdbt.size = sizeof(pginfo);
    if (dbp->blob_threshold) {
        if ((ret = __blob_generate_dir_ids(dbp, txn,
            &dbp->blob_file_id)) != 0)
            return (ret);
    }

    if ((ret = __os_calloc(env, 1, dbp->pgsize, &buf)) != 0)
        return (ret);
    meta = (BTMETA *)buf;
    LSN_NOT_LOGGED(lsn);
    __bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
    meta->root = 1;
    meta->dbmeta.last_pgno = 1;
    if ((ret = __db_pgout(
        dbp->dbenv, PGNO_BASE_MD, meta, &pdbt)) != 0)
        goto err;
    if ((ret = __fop_write(env, txn, name, dbp->dirname,
        DB_APP_DATA, fhp,
        dbp->pgsize, 0, 0, buf, dbp->pgsize, 1, F_ISSET(
            dbp, DB_AM_NOT_DURABLE) ? DB_LOG_NOT_DURABLE : 0)) != 0)
        goto err;
    meta = NULL;

    /* Build the root page. */
#ifdef DIAGNOSTIC

```



```

    memset(buf, CLEAR_BYTE, dbp->pgsize);
#endif
    root = (PAGE *)buf;
    P_INIT(root, dbp->pgsize, 1, PGNO_INVALID, PGNO_INVALID,
        LEAFLEVEL, dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE);
    LSN_NOT_LOGGED(root->lsn);
    if ((ret =
        __db_pgout(dbp->dbenv, root->pgno, root, &pdbt)) != 0)
        goto err;
    if ((ret =
        __fop_write(env, txn, name, dbp->dirname, DB_APP_DATA,
            fh, dbp->pgsize, 1, 0, buf, dbp->pgsize, 1, F_ISSET(
                dbp, DB_AM_NOT_DURABLE) ? DB_LOG_NOT_DURABLE : 0)) != 0)
        goto err;
    root = NULL;
}

err: if (buf != NULL)
    __os_free(env, buf);
else {
    if (meta != NULL &&
        (t_ret = __memp_fput(mpf, ip,
            meta, dbp->priority)) != 0 && ret == 0)
        ret = t_ret;
    if (root != NULL &&
        (t_ret = __memp_fput(mpf, ip,
            root, dbp->priority)) != 0 && ret == 0)
        ret = t_ret;
}
return (ret);
}

/*
 * __bam_new_subdb --
 * Create a metadata page and a root page for a new btree.
 *
 * PUBLIC: int __bam_new_subdb __P((DB *, DB *, DB_THREAD_INFO *, DB_TXN *));
 */
int
__bam_new_subdb(mdbp, dbp, ip, txn)
    DB *mdbp, *dbp;
    DB_THREAD_INFO *ip;
    DB_TXN *txn;
{
    BTMETA *meta;
    DBC *dbc;
    DB_LOCK metalock;
    DB_LSN lsn;

```



```

DB_MPOOLFILE *mpf;
ENV *env;
PAGE *root;
int ret, t_ret;

env = mdbp->env;
mpf = mdbp->mpf;
dbc = NULL;
meta = NULL;
root = NULL;

if (dbp->blob_threshold) {
    if ((ret = __blob_generate_dir_ids(dbp, txn,
        &dbp->blob_sdb_id)) != 0)
        return (ret);
}

if ((ret = __db_cursor(mdbp, ip, txn,
    &dbc, CDB_LOCKING(env) ? DB_WRITECURSOR : 0)) != 0)
    return (ret);

/* Get, and optionally create the metadata page. */
if ((ret = __db_lget(dbc,
    0, dbp->meta_pgno, DB_LOCK_WRITE, 0, &metalock)) != 0)
    goto err;
if ((ret = __memp_fget(mpf, &dbp->meta_pgno,
    ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta)) != 0)
    goto err;

/* Build meta-data page. */
lsn = meta->dbmeta.lsn;
__bam_init_meta(dbp, meta, dbp->meta_pgno, &lsn);
if ((ret = __db_log_page(mdbp,
    txn, &meta->dbmeta.lsn, dbp->meta_pgno, (PAGE *)meta)) != 0)
    goto err;

/* Create and initialize a root page. */
if ((ret = __db_new(dbc,
    dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE, NULL, &root)) != 0)
    goto err;
root->level = LEAFLEVEL;

if (DBENV_LOGGING(env) &&
#ifndef DEBUG_WOP
    txn != NULL &&
#endif
)
    (ret = __bam_root_log(mdbp, txn, &meta->dbmeta.lsn, 0,

```



```

    meta->dbmeta.pgno, root->pgno, &meta->dbmeta.lsn)) != 0)
goto err;

meta->root = root->pgno;
if ((ret =
    __db_log_page(mdbp, txn, &root->lsn, root->pgno, root)) != 0)
goto err;

/* Release the metadata and root pages. */
if ((ret = __memp_fput(mpf, ip, meta, dbc->priority)) != 0)
goto err;
meta = NULL;
if ((ret = __memp_fput(mpf, ip, root, dbc->priority)) != 0)
goto err;
root = NULL;
err:
if (meta != NULL)
if ((t_ret = __memp_fput(mpf, ip,
    meta, dbc->priority)) != 0 && ret == 0)
    ret = t_ret;
if (root != NULL)
if ((t_ret = __memp_fput(mpf, ip,
    root, dbc->priority)) != 0 && ret == 0)
    ret = t_ret;
if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
    ret = t_ret;
if (dbc != NULL)
if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
    ret = t_ret;
return (ret);
}
/*_
* $Id: LICENSE,v 11.12 2004/03/30 20:49:44 bostic Exp $
*/

```

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1.26 dhcp 4.3.0

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

```
=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
<!--
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-
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-->

<!-- $Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->
```


<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

```
<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', ' ') ">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>
```

```
<xsl:variable name="isc.copyright.text">
  <xsl:text>
    Permission to use, copy, modify, and/or distribute this software for any
    purpose with or without fee is hereby granted, provided that the above
    copyright notice and this permission notice appear in all copies.
```

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```
</xsl:text>
</xsl:variable>
```

```
<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
```



```
</xsl:with-param>
</xsl:call-template>
</xsl:variable>
```

```
</xsl:stylesheet>
```

```
<!--
```

```
- Local variables:
- mode: sgml
- End:
```

```
-->
```

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Gadi Oxman, August 1995

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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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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' (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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```
#
# 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) $(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
+ Copyright (C) Paul `Rusty' Russell  2000

```

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Theodore Ts'o
23-June-2007

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1.30 ed 1.9

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1.32 ethtool 3.15

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1.33 expat 2.1.0

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1.34 expect 5.45

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1.35 file 5.18

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1.36 findutils 4.4.2

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dnl with or without modifications, as long as this notice is preserved.
```

```
AC_DEFUN([gl_CANONICALIZE_LGPL],
[
dnl Do this replacement check manually because the file name is shorter
dnl than the function name.
AC_CHECK_DECLS_ONCE(canonicalize_file_name)
AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
if test $ac_cv_func_canonicalize_file_name = no; then
  AC_LIBOBJ(canonicalize-lgpl)
  AC_DEFINE([realpath], [rpl_realpath],
    [Define to a replacement function name for realpath().])
  gl_PREREQ_CANONICALIZE_LGPL
fi
])
```



```
# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
  AC_CHECK_DECLS_ONCE(canonicalize_file_name)
  AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
  gl_PREREQ_CANONICALIZE_LGPL
])

# Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
[
  AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
  AC_CHECK_FUNCS_ONCE(getcwd readlink)
])
```

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
<program> Copyright (C) <year> <name of author>  
This program 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, your program's commands might be different; for a GUI interface, you would use an "about box".

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Version 2, June 1991

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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!

1.41 gcc 4.9.1

1.41.1 Available under license :

```
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```

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see the files COPYING3 and COPYING.RUNTIME respectively. If not, see
<<http://www.gnu.org/licenses/>>. */

```
/* This file contains prototypes of functions in the external ABI.  
This file is included by files in the testsuite. */
```

```
#ifndef LIBGOMP_F_H  
#define LIBGOMP_F_H 1
```

```
#include "libgomp.h"
```

```
#if (4 == 4) \  
  && (4 <= 4)  
# define OMP_LOCK_DIRECT
```



```

typedef omp_lock_t *omp_lock_arg_t;
# define omp_lock_arg(arg) (arg)
#else
typedef union { omp_lock_t *lock; uint64_t u; } *omp_lock_arg_t;
# define omp_lock_arg(arg) ((arg)->lock)
# endif

#if (12 == 8) \
    && (4 <= 12)
# define OMP_NEST_LOCK_DIRECT
typedef omp_nest_lock_t *omp_nest_lock_arg_t;
# define omp_nest_lock_arg(arg) (arg)
#else
typedef union { omp_nest_lock_t *lock; uint64_t u; } *omp_nest_lock_arg_t;
# define omp_nest_lock_arg(arg) ((arg)->lock)
# endif

#if (4 == 4) \
    && (4 <= 4)
# define OMP_LOCK_25_DIRECT
typedef omp_lock_25_t *omp_lock_25_arg_t;
# define omp_lock_25_arg(arg) (arg)
#else
typedef union { omp_lock_25_t *lock; uint64_t u; } *omp_lock_25_arg_t;
# define omp_lock_25_arg(arg) ((arg)->lock)
# endif

#if (8 == 8) \
    && (4 <= 8)
# define OMP_NEST_LOCK_25_DIRECT
typedef omp_nest_lock_25_t *omp_nest_lock_25_arg_t;
# define omp_nest_lock_25_arg(arg) (arg)
#else
typedef union { omp_nest_lock_25_t *lock; uint64_t u; } *omp_nest_lock_25_arg_t;
# define omp_nest_lock_25_arg(arg) ((arg)->lock)
# endif

static inline void
omp_check_defines (void)
{
    char test[(4 != sizeof (omp_lock_t)
        || 4 != __alignof (omp_lock_t)
        || 12 != sizeof (omp_nest_lock_t)
        || 4 != __alignof (omp_nest_lock_t)
        || 4 != sizeof (*(omp_lock_arg_t) 0)
        || 8 != sizeof (*(omp_nest_lock_arg_t) 0))
        ? -1 : 1] __attribute__ ((__unused__));
    char test2[(4 != sizeof (omp_lock_25_t)

```



```

|| 4 != __alignof (omp_lock_25_t)
|| 8 != sizeof (omp_nest_lock_25_t)
|| 4 != __alignof (omp_nest_lock_25_t)
|| 4 != sizeof (*(omp_lock_25_arg_t) 0)
|| 8
!= sizeof (*(omp_nest_lock_25_arg_t) 0))
? -1 : 1] __attribute__ ((__unused__));
}

```

#endif /* LIBGOMP_F_H */

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Version 3, 29 June 2007

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```
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```
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1.42 gdb 7.7.1

1.42.1 Available under license :

```
BEGIN {
  FS="\ ";
  print "/* ==> Do not modify this file!! " \
    "-*- buffer-read-only: t -*- vi" \
    ":set ro:";
  print " It is created automatically by copying.awk.";
  print " Modify copying.awk instead. <== */";
  print ""
  print "#include \"defs.h\""
  print "#include \"command.h\""
  print "#include \"gdbcmd.h\""
  print ""
  print "static void show_copying_command (char *, int);"
  print ""
  print "static void show_warranty_command (char *, int);"
  print ""
  print "void _initialize_copying (void);"
  print ""
  print "static void";
  print "show_copying_command (char *ignore, int from_tty)";
```



```

    print "{";
}
NR == 1,/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ {
    if ($0 ~ //)
    {
        printf " printf_filtered (\\\"\\n\\");\n";
    }
    else if ($0 !~ /^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ )
    {
        printf " printf_filtered (\"";
        for (i = 1; i < NF; i++)
        printf "%s\\\" ", $i;
        printf "%s\\n\\");\n", $NF;
    }
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ {
    print "}";
    print "";
    print "static void";
    print "show_warranty_command (char *ignore, int from_tty)";
    print "{";
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/,/^[ ]*END OF TERMS AND CONDITIONS[ ]*$/ {
    if (! ($0 ~ /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/))
    {
        printf " printf_filtered (\"";
        for (i = 1; i < NF; i++)
        printf "%s\\\" ", $i;
        printf "%s\\n\\");\n", $NF;
    }
}
END {
    print "}";
    print "";
    print "void"
    print "_initialize_copying (void)";
    print "{";
    print " add_cmd (\"copying\", no_set_class, show_copying_command,\"";
    print " _(\"Conditions for redistributing copies of GDB.\"),\"";
    print " &showlist);\"";
    print " add_cmd (\"warranty\", no_set_class, show_warranty_command,\"";
    print " _(\"Various kinds of warranty you do not have.\"),\"";
    print " &showlist);\"";
    print "";
    print " /* For old-timers, allow \"info copying\", etc. */";
    print " add_info (\"copying\", show_copying_command,\"";
    print " _(\"Conditions for redistributing copies of GDB.\"));\"";
    print " add_info (\"warranty\", show_warranty_command,\"";

```



```
print " _(\"Various kinds of warranty you do not have.\");";  
print "}";  
}
```

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Version 2.1, February 1999

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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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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.

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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.

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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

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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.

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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.

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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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

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.

@item

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.

@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

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.

@item

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:

@enumerate a

@item

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.

@item

Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

@end enumerate

@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
```

Also add information on how to contact you by electronic and paper mail.

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!

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Version 2, June 1991

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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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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.

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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.

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.

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.

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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:

- 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

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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.

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.)

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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:

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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) 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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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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.

<one line to give the library'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.

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:

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

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Version 3, 29 June 2007

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As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the

object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
- b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

- a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

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 - 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.
- e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

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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 that are not Applications and are not covered by this License, and convey such a combined library under terms of your

choice, if you do both of the following:

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Version 2, June 1991

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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

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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.

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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- 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 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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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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

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<one line to give the library'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.

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:

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!

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to

avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

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To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

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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.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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```
#!/usr/bin/env python
```

```
# Copyright (C) 2011-2014 Free Software Foundation, Inc.  
#  
# This file is part of GDB.  
#  
# This program is free software; you can redistribute it and/or modify  
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```

```
"""copyright.py
```

This script updates the list of years in the copyright notices in
most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!

A useful command to review the output is:

```
% filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```
"""
```



```

import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!). The names of
    the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in NOT_FSF_LIST
                    or reldirname in BY_HAND):
                    # Prune this directory from our search list.
                    dirs.remove(dirname)
            for filename in files:
                relpath = "%s/%s" % (root, filename)
                if (filename in EXCLUDE_ALL_LIST
                    or relpath in EXCLUDE_LIST
                    or relpath in NOT_FSF_LIST
                    or relpath in BY_HAND):
                    # Ignore this file.
                    pass
                else:
                    result.append(relpath)
    return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnu's update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

```



```

# Perform the update, and save the output in a string.
update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
update_cmd += update_list

p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                      stderr=subprocess.STDOUT)
update_out = p.communicate()[0]

# Process the output. Typically, a lot of files do not have
# a copyright notice :-(. The update-copyright script prints
# a well defined warning when it did not find the copyright notice.
# For each of those, do a sanity check and see if they may in fact
# have one. For the files that are found not to have one, we filter
# the line out from the output, since there is nothing more to do,
# short of looking at each file and seeing which notice is appropriate.
# Too much work! (~4,000 files listed as of 2012-01-03).
update_out = update_out.splitlines()
warning_string = ': warning: copyright statement not found'
warning_len = len(warning_string)

for line in update_out:
    if line.endswith('\n'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
    else:
        # Unrecognized file format. !?!
        print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
    directory.

    The algorithm is fairly crude, meaning that it might return
    some false positives. I do not think it will return any false
    negatives... We might improve this function to handle more
    complex cases later...
    """
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

```



```

fd = open(filename)

lineno = 1
for line in fd:
    if 'Copyright' in line:
        return True
    lineno += 1
    if lineno > 50:
        return False
return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...
    if BY_HAND:
        print
        print "\033[31mREMINDER: The following files must be updated by hand." \
            "\033[0m"
        for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
            print " ", filename

#####
#
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
#####

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (
    'gdb/common/glibc_thread_db.h',
    'gdb/CONTRIBUTE',
    'gdb/gnulib/import'

```



```

)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.

EXCLUDE_ALL_LIST = (
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    "fdl.texi", "gpl.texi", "aclocal.m4",
)

# The list of files to update by hand.
BY_HAND = (
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accftp.c",

```



```

"sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
"sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
"sim/erc32/exec.c",
"sim/mips/m16run.c", "sim/mips/sim-main.c",
"sim/moxie/moxie-gdb.dts",
# Not a single file in sim/ppc/ appears to be copyright FSF :-(.
"sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
"sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
"sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
"sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
"sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
"sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
"sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
"sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
"sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
"sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",
"sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
"sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
"sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
"sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
"sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",
"sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
"sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/ld-cache.c",
"sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
"sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
"sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
"sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
"sim/ppc/bits.c", "sim/ppc/idecode_fields.h", "sim/ppc/hw_memory.c",
"sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
"sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h",
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/lf.c", "sim/ppc/lf.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/lf.h", "sim/ppc/ld-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",

```



```

"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

if __name__ == "__main__":
    main()
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

```

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```

@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@appendix GNU GENERAL PUBLIC LICENSE
@c The GNU General Public License.
@center Version 3, 29 June 2007

```

```

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

```

```

@display
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

```

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```
@end display
```

```
@heading Preamble
```

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@item

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

@item

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Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item

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@c man end

1.43 gdbm 1.11

1.43.1 Available under license :

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```
# include "autoconf.h"
# include "gdbmdefs.h"
# include "gdbm.h"
# include <sys/types.h>
# include <pwd.h>
# include <grp.h>
```



```

struct datbuf
{
    unsigned char *buffer;
    size_t size;
};

struct dump_file
{
    FILE *fp;
    size_t line;

    char *linebuf;
    size_t lsize;
    size_t lblevel;

    char *buffer;
    size_t bufsz;
    size_t buflevel;

    size_t parmc;

    struct datbuf data[2];
    char *header;
};

static void
dump_file_free (struct dump_file *file)
{
    free (file->linebuf);
    free (file->buffer);
    free (file->data[0].buffer);
    free (file->data[1].buffer);
    free (file->header);
}

static const char *
getparm (const char *buf, const char *parm)
{
    if (!buf)
        return NULL;
    while (*buf)
    {
        const char *p;
        for (p = parm; *p == *buf; p++, buf++)
            ;
        if (*p == 0 && *buf == '=')
            return buf + 1;
    }
}

```



```

        buf += strlen (buf) + 1;
    }
    return NULL;
}

static size_t
get_dump_line (struct dump_file *file)
{
    char buf[80];

    if (file->lblevel == 0)
    {
        while (fgets (buf, sizeof buf, file->fp))
        {
            size_t n = strlen (buf);

            if (buf[n-1] == '\n')
            {
                file->line++;
                --n;
            }

            if (n + 1 + file->lblevel > file->lbsize)
            {
                size_t s = ((file->lblevel + n + _GDBM_MAX_DUMP_LINE_LEN)
                    / _GDBM_MAX_DUMP_LINE_LEN)
                    * _GDBM_MAX_DUMP_LINE_LEN;
                char *newp = realloc (file->linebuf, s);
                if (!newp)
                    return GDBM_MALLOC_ERROR;
                file->linebuf = newp;
                file->lbsize = s;
            }

            memcpy (file->linebuf + file->lblevel, buf, n);
            file->lblevel += n;
            if (buf[n])
            {
                file->linebuf[file->lblevel] = 0;
                break;
            }
        }
    }
    return file->lblevel;
}

static int
get_data (struct dump_file *file)

```



```

{
size_t n;

file->buflevel = 0;
file->parmc = 0;

while ((n = get_dump_line (file)))
{
    if (file->linebuf[0] == '#')
return 0;
    if (n + file->buflevel > file->bufsize)
{
size_t s = ((file->buflevel + n + _GDBM_MAX_DUMP_LINE_LEN - 1)
    / _GDBM_MAX_DUMP_LINE_LEN)
        * _GDBM_MAX_DUMP_LINE_LEN;
char *newp = realloc (file->buffer, s);
if (!newp)
    return GDBM_MALLOC_ERROR;
file->buffer = newp;
file->bufsize = s;
}
    memcpy (file->buffer + file->buflevel, file->linebuf, n);
    file->buflevel += n;
    file->lblevel = 0;
}
return ferror (file->fp) ? GDBM_FILE_READ_ERROR : 0;
}

```

```

static int
get_parms (struct dump_file *file)
{
size_t n;

file->buflevel = 0;
file->parmc = 0;
while ((n = get_dump_line (file)))
{
    char *p;

    p = file->linebuf;
    if (*p != '#')
return 0;
    if (n == 0 || *++p != ':')
{
file->lblevel = 0;
continue;
}
    if (--n == 0)

```



```

{
    file->lbllevel = 0;
    continue;
}

    if (n + 1 + file->buflevel > file->bufsize)
{
    size_t s = ((file->buflevel + n + _GDBM_MAX_DUMP_LINE_LEN)
        / _GDBM_MAX_DUMP_LINE_LEN)
        * _GDBM_MAX_DUMP_LINE_LEN;
    char *newp = realloc (file->buffer, s);
    if (!newp)
        return GDBM_MALLOC_ERROR;
    file->buffer = newp;
    file->bufsize = s;
}

    while (*p)
{
    p++;
    while (*p == ' ' || *p == '\t')
        p++;
    if (*p)
    {
        while (*p && *p != '=')
            file->buffer[file->buflevel++] = *p++;

        if (*p == '=')
        {
            file->buffer[file->buflevel++] = *p++;
            if (*p == "")
            {
                p++;
                while (*p && *p != "")
                    file->buffer[file->buflevel++] = *p++;

                if (*p == "")
                    p++;
            }
            else
            {
                while (!(*p == 0 || *p == ','))
                    file->buffer[file->buflevel++] = *p++;
            }
            file->parmc++;
            file->buffer[file->buflevel++] = 0;
        }
    }
    else

```



```

return GDBM_ILLEGAL_DATA;
    }
    else
        break;
}
    file->lblevel = 0;
}

file->buffer[file->buflevel] = 0;

return ferror (file->fp) ? GDBM_FILE_READ_ERROR : 0;
}

int
get_len (const char *param, size_t *plen)
{
    unsigned long n;
    const char *p = getparm (param, "len");
    char *end;

    if (!p)
        return GDBM_ITEM_NOT_FOUND;

    errno = 0;
    n = strtoul (p, &end, 10);
    if (*end == 0 && errno == 0)
    {
        *plen = n;
        return 0;
    }

    return GDBM_ILLEGAL_DATA;
}

int
read_record (struct dump_file *file, char *param, int n, datum *dat)
{
    int rc;
    size_t len, consumed_size, decoded_size;

    if (!param)
    {
        rc = get_parms (file);
        if (rc)
            return rc;
        if (file->parmc == 0)
            return GDBM_ITEM_NOT_FOUND;
        param = file->buffer;
    }

```



```

    }
    rc = get_len (param, &len);
    if (rc)
        return rc;
    dat->dsize = len; /* FIXME: data type mismatch */
    rc = get_data (file);
    if (rc)
        return rc;

    rc = _gdbm_base64_decode ((unsigned char *)file->buffer, file->buflevel,
        &file->data[n].buffer, &file->data[n].size,
        &consumed_size, &decoded_size);
    if (rc)
        return rc;
    if (consumed_size != file->buflevel || decoded_size != len)
        return GDBM_ILLEGAL_DATA;
    dat->dptr = (void*) file->data[n].buffer;
    return 0;
}

```

```

#define META_UID 0x01
#define META_GID 0x02
#define META_MODE 0x04

```

```

static int
_set_gdbm_meta_info (GDBM_FILE dbf, char *param, int meta_mask)
{
    unsigned long n;
    uid_t owner_uid;
    uid_t owner_gid;
    mode_t mode;
    int meta_flags = 0;
    const char *p;
    char *end;
    int rc = 0;

    if (!(meta_mask & GDBM_META_MASK_OWNER))
    {
        p = getparm (param, "user");
        if (p)
        {
            struct passwd *pw = getpwnam (p);
            if (pw)
            {
                owner_uid = pw->pw_uid;
                meta_flags |= META_UID;
            }
        }
    }
}

```



```

    if (!(meta_flags & META_UID) && (p = getparm (param, "uid")))
    {
        errno = 0;
        n = strtoul (p, &end, 10);
        if (*end == 0 && errno == 0)
        {
            owner_uid = n;
            meta_flags |= META_UID;
        }
    }

    p = getparm (param, "group");
    if (p)
    {
        struct group *gr = getgrnam (p);
        if (gr)
        {
            owner_gid = gr->gr_gid;
            meta_flags |= META_GID;
        }
    }
    if (!(meta_flags & META_GID) && (p = getparm (param, "gid")))
    {
        errno = 0;
        n = strtoul (p, &end, 10);
        if (*end == 0 && errno == 0)
        {
            owner_gid = n;
            meta_flags |= META_GID;
        }
    }
}

if (!(meta_mask & GDBM_META_MASK_MODE))
{
    p = getparm (param, "mode");
    if (p)
    {
        errno = 0;
        n = strtoul (p, &end, 8);
        if (*end == 0 && errno == 0)
        {
            mode = n & 0777;
            meta_flags |= META_MODE;
        }
    }
}

```



```

if (meta_flags)
{
    int fd = gdbm_fdesc (dbf);
    if (getuid () == 0 && (meta_flags & (META_UID|META_GID)))
    {
        if ((meta_flags & (META_UID|META_GID)) != (META_UID|META_GID))
        {
            struct stat st;
            fstat (fd, &st);
            if (!(meta_flags & META_UID))
            owner_uid = st.st_uid;
            if (!(meta_flags & META_GID))
            owner_gid = st.st_gid;
        }
        if (fchown (fd, owner_uid, owner_gid))
        {
            gdbm_errno = GDBM_ERR_FILE_OWNER;
            rc = 1;
        }
    }
    if ((meta_flags & META_MODE) && fchmod (fd, mode))
    {
        gdbm_errno = GDBM_ERR_FILE_OWNER;
        rc = 1;
    }
}
return rc;
}

```

```

int
_gdbm_load_file (struct dump_file *file, GDBM_FILE dbf, GDBM_FILE *ofp,
    int replace, int meta_mask)
{
    char *param = NULL;
    int rc;
    GDBM_FILE tmp = NULL;

    rc = get_parms (file);
    if (rc)
        return rc;

    if (file->parmc)
    {
        file->header = file->buffer;
        file->buffer = NULL;
        file->bufsize = file->buflevel = 0;
    }
}

```



```

else
    return GDBM_ILLEGAL_DATA;

if (!dbf)
{
    const char *filename = getparm (file->header, "file");
    if (!filename)
return GDBM_NO_DBNAME;
    tmp = gdbm_open (filename, 0,
        replace ? GDBM_WRCREAT : GDBM_NEWDB, 0600, NULL);
    if (!tmp)
return gdbm_errno;
    dbf = tmp;
}

param = file->header;
while (1)
{
    datum key, content;
    rc = read_record (file, param, 0, &key);
    if (rc)
    {
        if (rc == GDBM_ITEM_NOT_FOUND && feof (file->fp))
            rc = 0;
        break;
    }
    param = NULL;

    rc = read_record (file, NULL, 1, &content);
    if (rc)
break;

    if (gdbm_store (dbf, key, content, replace))
    {
        rc = gdbm_errno;
        break;
    }
}

if (rc == 0)
{
    rc = _set_gdbm_meta_info (dbf, file->header, meta_mask);
    *ofp = dbf;
}
else if (tmp)
    gdbm_close (tmp);

return rc;

```



```

}

static int
read_bdb_header (struct dump_file *file)
{
    char buf[256];

    file->line = 1;
    if (!fgets (buf, sizeof (buf), file->fp))
        return -1;
    if (strcmp (buf, "VERSION=3\n"))
        return -1;
    while (fgets (buf, sizeof (buf), file->fp))
    {
        ++file->line;
        if (strcmp (buf, "HEADER=END\n") == 0)
            return 0;
    }
    return -1;
}

static int
c2x (int c)
{
    static char xdig[] = "0123456789abcdef";
    char *p = strchr (xdig, c);
    if (!p)
        return -1;
    return p - xdig;
}

#define DINCR 128

static int
xdatum_read (FILE *fp, datum *d, size_t *pdmax)
{
    int c;
    size_t dmax = *pdmax;

    d->dsiz = 0;
    while ((c = fgetc (fp)) != EOF && c != '\n')
    {
        int t, n;

        t = c2x (c);
        if (t == -1)
            return EOF;
        t <<= 4;
    }

```



```

        if ((c = fgetc (fp)) == EOF)
break;

        n = c2x (c);
        if (n == -1)
return EOF;
        t += n;

        if (d->dsiz == dmax)
{
        char *np = realloc (d->dptr, dmax + DINCR);
        if (!np)
            return GDBM_MALLOC_ERROR;
        d->dptr = np;
        dmax += DINCR;
        }
        d->dptr[d->dsiz++] = t;
        }
        *pdmax = dmax;
        if (c == '\n')
            return 0;
        return c;
    }

int
gdbm_load_bdb_dump (struct dump_file *file, GDBM_FILE dbf, int replace)
{
    datum xd[2];
    size_t xs[2];
    int rc, c;
    int i;

    if (read_bdb_header (file))
        return -1;
    memset (&xd, 0, sizeof (xd));
    xs[0] = xs[1] = 0;
    i = 0;
    while ((c = fgetc (file->fp)) == ' ')
        {
            rc = xdatum_read (file->fp, &xd[i], &xs[i]);
            if (rc)
                break;
            ++file->line;

            if (i == 1)
                {
                    if (gdbm_store (dbf, xd[0], xd[1], replace))

```



```

        return gdbm_errno;
    }
    i = !i;
}
//FIXME: Read "DATA=END"
free (xd[0].dptr);
free (xd[1].dptr);
if (rc == 0 && i)
    rc = EOF;

return rc;
}

int
gdbm_load_from_file (GDBM_FILE *pdbf, FILE *fp, int replace,
                    int meta_mask,
                    unsigned long *line)
{
    struct dump_file df;
    int rc;

    if (!pdbf || !fp)
        return EINVAL;

    /* Guess input file format */
    rc = fgetc (fp);
    ungetc (rc, fp);
    if (rc == '!')
    {
        if (line)
            *line = 0;
        if (!*pdbf)
        {
            gdbm_errno = GDBM_NO_DBNAME;
            return -1;
        }
        if (gdbm_import_from_file (*pdbf, fp, replace) == -1)
            return -1;
        return 0;
    }

    memset (&df, 0, sizeof df);
    df.fp = fp;

    if (rc == 'V')
    {
        if (!*pdbf)
        {

```



```

    gdbm_errno = GDBM_NO_DBNAME;
    return -1;
}
    rc = gdbm_load_bdb_dump (&df, *pdbf, replace);
}
else
    rc = _gdbm_load_file (&df, *pdbf, pdbf, replace, meta_mask);
dump_file_free (&df);
if (rc)
{
    if (line)
*line = df.line;
    gdbm_errno = rc;
    return -1;
}
return 0;
}

int
gdbm_load (GDBM_FILE *pdbf, const char *filename, int replace,
    int meta_mask,
    unsigned long *line)
{
    FILE *fp;
    int rc;

    fp = fopen (filename, "r");
    if (!fp)
    {
        gdbm_errno = GDBM_FILE_OPEN_ERROR;
        return -1;
    }
    rc = gdbm_load_from_file (pdbf, fp, replace, meta_mask, line);
    fclose (fp);
    return rc;
}

```

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Version 3, 29 June 2007

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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.)

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

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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.

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.

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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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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PCRE LICENCE

Please see the file LICENCE in the PCRE distribution for licensing details.

End

1.45 glibc 2.2

1.45.1 Available under license :

/* Default definition for ARGP_PROGRAM_BUG_ADDRESS.

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This file is part of the GNU C Library.

Written by Miles Bader <miles@gnu.ai.mit.edu>.

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/* If set by the user program, it should point to string that is the bug-reporting address for the program. It will be printed by argp_help if the ARGP_HELP_BUG_ADDR flag is set (as it is by various standard help messages), embedded in a sentence that says something like `Report bugs to ADDR.'. */

const char *argp_program_bug_address;
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Version 2.1, February 1999

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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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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.

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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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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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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

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```

```
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the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
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```
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```

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1.50 grep 2.19

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```
## Process this file with automake to create Makefile.in
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```

LN = ln


```

AM_CFLAGS = $(WARN_CFLAGS) $(WERROR_CFLAGS)

# Tell the linker to omit references to unused shared libraries.
AM_LDFLAGS = $(IGNORE_UNUSED_LIBRARIES_CFLAGS)

bin_PROGRAMS = grep
bin_SCRIPTS = egrep fgrep
grep_SOURCES = grep.c searchutils.c \
    dfa.c dfasearch.c \
    kwset.c kwsearch.c \
    pcresearch.c
noinst_HEADERS = grep.h dfa.h kwset.h search.h system.h

# Sometimes, the expansion of $(LIBINTL) includes -lc which may
# include modules defining variables like 'optind', so libgreputils.a
# must precede $(LIBINTL) in order to ensure we use GNU getopt.
# But libgreputils.a must also follow $(LIBINTL), since libintl uses
# replacement functions defined in libgreputils.a.
LDADD = \
    ../lib/libgreputils.a $(LIBINTL) ../lib/libgreputils.a $(LIBICONV) \
    $(LIBTHREAD)

grep_LDADD = $(LDADD) $(LIB_PCRE)
localedir = $(datadir)/locale
AM_CPPFLAGS = -I$(top_builddir)/lib -I$(top_srcdir)/lib

EXTRA_DIST = dosbuf.c egrep.sh

egrep fgrep: egrep.sh Makefile
$(AM_V_GEN)grep=`echo grep | sed -e '$(transform)'` && \
case $@ in egrep) option=-E;; fgrep) option=-F;; esac && \
shell_does_substrings='set x/y && d=${1%/*} && test "$$d" = x' && \
if $(SHELL) -c "$$shell_does_substrings" 2>/dev/null; then \
    edit_substring='s,X,X,;\'; \
else \
    edit_substring='s,\${0%/*},`expr "X$$0" : \"X\\(..*\\)/\"\",g'; \
fi && \
sed -e 's|[@]SHELL@|$(SHELL)|g' \
    -e "$$edit_substring" \
    -e "s|[@]grep@|$$grep|g" \
    -e "s|[@]option@|$$option|g" <$(srcdir)/egrep.sh >$@-t
$(AM_V_at)chmod +x $@-t
$(AM_V_at)mv $@-t $@

CLEANFILES = egrep fgrep *-t
GNU GENERAL PUBLIC LICENSE
    Version 3, 29 June 2007

```


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```
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```

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1.51 groff 1.22.2

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```
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```

```
MAN1=\
gropdf.n \
pdfmom.n
```

```
CMDFILES=\
gropdf \
pdfmom
```

```
MOSTLYCLEANADD=\
gropdf \
pdfmom \
$(MAN1)
```

```
# Some `makes' don't predefine RM...
```


RM=rm -f

all: gropdf pdfmom

```
gropdf: gropdf.pl $(SH_DEPS_SED_SCRIPT)
$(RM) $@
sed -f $(SH_DEPS_SED_SCRIPT) \
    -e "s|@VERSION@|$(version)$(revision)|" \
    -e "s|@PERLPATH@|$(PERLPATH)|" \
    -e "s|@GROFF_FONT_DIR@|$(fontpath)|" \
    -e "s|@RT_SEP@|$(RT_SEP)|" $(srcdir)/gropdf.pl >$@
chmod +x $@
```

```
pdfmom: pdfmom.pl $(SH_DEPS_SED_SCRIPT)
$(RM) $@
sed -f $(SH_DEPS_SED_SCRIPT) \
    -e "s|@VERSION@|$(version)$(revision)|" \
    -e "s|@PERLPATH@|$(PERLPATH)|" $(srcdir)/pdfmom.pl >$@
chmod +x $@
```

```
install_data:
-test -d $(DESTDIR)$(bindir) || $(mkinstalldirs) $(DESTDIR)$(bindir)
for f in $(CMDFILES); do \
    $(RM) $(DESTDIR)$(bindir)/$$f; \
    $(INSTALL_SCRIPT) $$f $(DESTDIR)$(bindir)/$$f; \
done
```

```
uninstall_sub:
for f in $(CMDFILES); do \
    $(RM) $(DESTDIR)$(bindir)/$$f; \
done
```

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Version 3, 29 June 2007

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 * Added generation of field number constants.

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 * Fixes for Solaris 10 32/64-bit confusion.

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 * 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.

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- * Fixed detection of sched_yield on Solaris.

- * Added atomicops for Solaris

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- * Fixed minor IBM xLC compiler build issues

- * Added atomicops for AIX (POWER)

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1.56 hostap-utils 0.4.7

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*/

/*
* Modifications to fit into the linux IEEE 802.11 stack,
* Mike Kershaw (dragorn@kismetwireless.net)
*/

#ifndef IEEE80211RADIOTAP_H
#define IEEE80211RADIOTAP_H

#include <stdint.h>

/* Base version of the radiotap packet header data */
#define PKTHDR_RADIOTAP_VERSION 0
```



```

/* A generic radio capture format is desirable. There is one for
* Linux, but it is neither rigidly defined (there were not even
* units given for some fields) nor easily extensible.
*
* I suggest the following extensible radio capture format. It is
* based on a bitmap indicating which fields are present.
*
* I am trying to describe precisely what the application programmer
* should expect in the following, and for that reason I tell the
* units and origin of each measurement (where it applies), or else I
* use sufficiently weaselly language ("is a monotonically nondecreasing
* function of...") that I cannot set false expectations for lawyerly
* readers.
*/

```

```

/* The radio capture header precedes the 802.11 header.
* All data in the header is little endian on all platforms.
*/

```

```

struct ieee80211_radiotap_header {
    uint8_t it_version; /* Version 0. Only increases
        * for drastic changes,
        * introduction of compatible
        * new fields does not count.
        */
    uint8_t it_pad;
    uint16_t it_len; /* length of the whole
        * header in bytes, including
        * it_version, it_pad,
        * it_len, and data fields.
        */
    uint32_t it_present; /* A bitmap telling which
        * fields are present. Set bit 31
        * (0x80000000) to extend the
        * bitmap by another 32 bits.
        * Additional extensions are made
        * by setting bit 31.
        */
};

```

```

/* Name           Data type  Units
* ----           -
*
* IEEE80211_RADIOTAP_TSFT      __le64    microseconds
*
* Value in microseconds of the MAC's 64-bit 802.11 Time
* Synchronization Function timer when the first bit of the
* MPDU arrived at the MAC. For received frames, only.

```


*
 * IEEE80211_RADIOTAP_CHANNEL 2 x uint16_t MHz, bitmap
 *
 * Tx/Rx frequency in MHz, followed by flags (see below).
 *
 * IEEE80211_RADIOTAP_FHSS uint16_t see below
 *
 * For frequency-hopping radios, the hop set (first byte)
 * and pattern (second byte).
 *
 * IEEE80211_RADIOTAP_RATE u8 500kb/s
 *
 * Tx/Rx data rate
 *
 * IEEE80211_RADIOTAP_DBM_ANTSIGNAL s8 decibels from
 * one milliwatt (dBm)
 *
 * RF signal power at the antenna, decibel difference from
 * one milliwatt.
 *
 * IEEE80211_RADIOTAP_DBM_ANTNOISE s8 decibels from
 * one milliwatt (dBm)
 *
 * RF noise power at the antenna, decibel difference from one
 * milliwatt.
 *
 * IEEE80211_RADIOTAP_DB_ANTSIGNAL u8 decibel (dB)
 *
 * RF signal power at the antenna, decibel difference from an
 * arbitrary, fixed reference.
 *
 * IEEE80211_RADIOTAP_DB_ANTNOISE u8 decibel (dB)
 *
 * RF noise power at the antenna, decibel difference from an
 * arbitrary, fixed reference point.
 *
 * IEEE80211_RADIOTAP_LOCK_QUALITY uint16_t unitless
 *
 * Quality of Barker code lock. Unitless. Monotonically
 * nondecreasing with "better" lock strength. Called "Signal
 * Quality" in datasheets. (Is there a standard way to measure
 * this?)
 *
 * IEEE80211_RADIOTAP_TX_ATTENUATION uint16_t unitless
 *
 * Transmit power expressed as unitless distance from max
 * power set at factory calibration. 0 is max power.
 * Monotonically nondecreasing with lower power levels.


```

* IEEE80211_RADIOTAP_DB_TX_ATTENUATION uint16_t    decibels (dB)
*
* Transmit power expressed as decibel distance from max power
* set at factory calibration. 0 is max power. Monotonically
* nondecreasing with lower power levels.
*
* IEEE80211_RADIOTAP_DBM_TX_POWER    s8            decibels from
*                                     one milliwatt (dBm)
*
* Transmit power expressed as dBm (decibels from a 1 milliwatt
* reference). This is the absolute power level measured at
* the antenna port.
*
* IEEE80211_RADIOTAP_FLAGS            u8            bitmap
*
* Properties of transmitted and received frames. See flags
* defined below.
*
* IEEE80211_RADIOTAP_ANTENNA          u8            antenna index
*
* Unitless indication of the Rx/Tx antenna for this packet.
* The first antenna is antenna 0.
*
* IEEE80211_RADIOTAP_RX_FLAGS          uint16_t      bitmap
*
* Properties of received frames. See flags defined below.
*
* IEEE80211_RADIOTAP_TX_FLAGS          uint16_t      bitmap
*
* Properties of transmitted frames. See flags defined below.
*
* IEEE80211_RADIOTAP_RTS_RETRIES       u8            data
*
* Number of rts retries a transmitted frame used.
*
* IEEE80211_RADIOTAP_DATA_RETRIES      u8            data
*
* Number of unicast retries a transmitted frame used.
*
* IEEE80211_RADIOTAP_MCS u8, u8, u8    unitless
*
* Contains a bitmap of known fields/flags, the flags, and
* the MCS index.
*
* IEEE80211_RADIOTAP_AMPDU_STATUS u32, u16, u8, u8 unitless
*
* Contains the AMPDU information for the subframe.

```

* IEEE80211_RADIOTAP_DB_TX_ATTENUATION uint16_t decibels (dB)

*

- * Transmit power expressed as decibel distance from max power
- * set at factory calibration. 0 is max power. Monotonically
- * nondecreasing with lower power levels.

*

```
* IEEE80211_RADIOTAP_DBM_TX_POWER    s8      decibels from
*                                     one milliwatt (dBm)
```

✻

* Transmit power expressed as dBm (decibels from a 1 milliwatt
* reference). This is the absolute power level measured at
* the antenna port.

*

* IEEE80211_RADIOTAP_FLAGS	u8	bitmap
----------------------------	----	--------

*

- * Properties of transmitted and received frames. See flags
- * defined below.

✻

```
* IEEE80211_RADIOTAP_ANTENNA      u8      antenna index
```

✻

- * Unitless indication of the Rx/Tx antenna for this packet.
- * The first antenna is antenna 0.

✱

```
* IEEE80211_RADIOTAP_RX_FLAGS      uint16_t      bitmap
```

*

* Properties of received frames. See flags defined below.

✻

```
* IEEE80211_RADIOTAP_TX_FLAGS      uint16_t    bitmap
```

✻

* Properties of transmitted frames. See flags defined below.

*

```
* IEEE80211_RADIOTAP_RTS_RETRIES    u8    data
```

*

* Number of rts retries a transmitted frame used.

*

```
* IEEE80211_RADIOTAP_DATA_RETRIES    u8    data
```

*

* Number of unicast retries a transmitted frame used.

*

* IEEE80211_RADIOTAP MCS u8, u8, u8 unitless

*

- * Contains a bitmap of known fields/flags, the flags, and
- * the MCS index.

*

* IEEE80211_RADIOTAP_AMPDU_STATUS u32, u16, u8, u8 unitless

*

* Contains the AMPDU information for the subframe.


```

*/
enum ieee80211_radiotap_type {
    IEEE80211_RADIOTAP_TSFT = 0,
    IEEE80211_RADIOTAP_FLAGS = 1,
    IEEE80211_RADIOTAP_RATE = 2,
    IEEE80211_RADIOTAP_CHANNEL = 3,
    IEEE80211_RADIOTAP_FHSS = 4,
    IEEE80211_RADIOTAP_DBM_ANTSIGNAL = 5,
    IEEE80211_RADIOTAP_DBM_ANTNOISE = 6,
    IEEE80211_RADIOTAP_LOCK_QUALITY = 7,
    IEEE80211_RADIOTAP_TX_ATTENUATION = 8,
    IEEE80211_RADIOTAP_DB_TX_ATTENUATION = 9,
    IEEE80211_RADIOTAP_DBM_TX_POWER = 10,
    IEEE80211_RADIOTAP_ANTENNA = 11,
    IEEE80211_RADIOTAP_DB_ANTSIGNAL = 12,
    IEEE80211_RADIOTAP_DB_ANTNOISE = 13,
    IEEE80211_RADIOTAP_RX_FLAGS = 14,
    IEEE80211_RADIOTAP_TX_FLAGS = 15,
    IEEE80211_RADIOTAP_RTS_RETRIES = 16,
    IEEE80211_RADIOTAP_DATA_RETRIES = 17,

    IEEE80211_RADIOTAP_MCS = 19,
    IEEE80211_RADIOTAP_AMPDU_STATUS = 20,

    /* valid in every it_present bitmap, even vendor namespaces */
    IEEE80211_RADIOTAP_RADIOTAP_NAMESPACE = 29,
    IEEE80211_RADIOTAP_VENDOR_NAMESPACE = 30,
    IEEE80211_RADIOTAP_EXT = 31
};

/* Channel flags. */
#define IEEE80211_CHAN_TURBO 0x0010 /* Turbo channel */
#define IEEE80211_CHAN_CCK 0x0020 /* CCK channel */
#define IEEE80211_CHAN_OFDM 0x0040 /* OFDM channel */
#define IEEE80211_CHAN_2GHZ 0x0080 /* 2 GHz spectrum channel */
#define IEEE80211_CHAN_5GHZ 0x0100 /* 5 GHz spectrum channel */
#define IEEE80211_CHAN_PASSIVE 0x0200 /* Only passive scan allowed */
#define IEEE80211_CHAN_DYN 0x0400 /* Dynamic CCK-OFDM channel */
#define IEEE80211_CHAN_GFSK 0x0800 /* GFSK channel (FHSS PHY) */

/* For IEEE80211_RADIOTAP_FLAGS */
#define IEEE80211_RADIOTAP_F_CFP 0x01 /* sent/received
    * during CFP
    */
#define IEEE80211_RADIOTAP_F_SHORTPRE 0x02 /* sent/received
    * with short
    * preamble
    */

```



```

#define IEEE80211_RADIOTAP_F_WEP 0x04 /* sent/received
    * with WEP encryption
    */

#define IEEE80211_RADIOTAP_F_FRAG 0x08 /* sent/received
    * with fragmentation
    */

#define IEEE80211_RADIOTAP_F_FCS 0x10 /* frame includes FCS */
#define IEEE80211_RADIOTAP_F_DATAPAD 0x20 /* frame has padding between
    * 802.11 header and payload
    * (to 32-bit boundary)
    */

#define IEEE80211_RADIOTAP_F_BADFCS 0x40 /* frame failed FCS check */

/* For IEEE80211_RADIOTAP_RX_FLAGS */
#define IEEE80211_RADIOTAP_F_RX_BADPLCP 0x0002 /* bad PLCP */

/* For IEEE80211_RADIOTAP_TX_FLAGS */
#define IEEE80211_RADIOTAP_F_TX_FAIL 0x0001 /* failed due to excessive
    * retries */
#define IEEE80211_RADIOTAP_F_TX_CTS 0x0002 /* used cts 'protection' */
#define IEEE80211_RADIOTAP_F_TX_RTS 0x0004 /* used rts/cts handshake */
#define IEEE80211_RADIOTAP_F_TX_NOACK 0x0008 /* don't expect an ACK */

/* For IEEE80211_RADIOTAP_AMPDU_STATUS */
#define IEEE80211_RADIOTAP_AMPDU_REPORT_ZEROLEN 0x0001
#define IEEE80211_RADIOTAP_AMPDU_IS_ZEROLEN 0x0002
#define IEEE80211_RADIOTAP_AMPDU_LAST_KNOWN 0x0004
#define IEEE80211_RADIOTAP_AMPDU_IS_LAST 0x0008
#define IEEE80211_RADIOTAP_AMPDU_DELIM_CRC_ERR 0x0010
#define IEEE80211_RADIOTAP_AMPDU_DELIM_CRC_KNOWN 0x0020

/* For IEEE80211_RADIOTAP_MCS */
#define IEEE80211_RADIOTAP_MCS_HAVE_BW 0x01
#define IEEE80211_RADIOTAP_MCS_HAVE_MCS 0x02
#define IEEE80211_RADIOTAP_MCS_HAVE_GI 0x04
#define IEEE80211_RADIOTAP_MCS_HAVE_FMT 0x08
#define IEEE80211_RADIOTAP_MCS_HAVE_FEC 0x10
#define IEEE80211_RADIOTAP_MCS_HAVE_STBC 0x20
#define IEEE80211_RADIOTAP_MCS_HAVE_NESS 0x40
#define IEEE80211_RADIOTAP_MCS_NESS_BIT1 0x80

#define IEEE80211_RADIOTAP_MCS_BW_MASK 0x03
#define IEEE80211_RADIOTAP_MCS_BW_20 0
#define IEEE80211_RADIOTAP_MCS_BW_40 1
#define IEEE80211_RADIOTAP_MCS_BW_20L 2
#define IEEE80211_RADIOTAP_MCS_BW_20U 3
#define IEEE80211_RADIOTAP_MCS_SGI 0x04

```



```
#define IEEE80211_RADIOTAP_MCS_FMT_GF 0x08
#define IEEE80211_RADIOTAP_MCS_FEC_LDPC 0x10
#define IEEE80211_RADIOTAP_MCS_STBC_MASK 0x60
#define IEEE80211_RADIOTAP_MCS_STBC_SHIFT 5
#define IEEE80211_RADIOTAP_MCS_STBC_1 1
#define IEEE80211_RADIOTAP_MCS_STBC_2 2
#define IEEE80211_RADIOTAP_MCS_STBC_3 3
#define IEEE80211_RADIOTAP_MCS_NESS_BIT0 0x80
```

```
#endif /* IEEE80211_RADIOTAP_H */
```

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1.57 hostapd 2.2

1.57.1 Available under license :

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1.58 i2c-tools 3.1.1

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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.
```

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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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1.59 iasl 2.0140724E7

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```
/* A Bison parser, made by GNU Bison 2.7.1. */
```

```
/* Bison interface for Yacc-like parsers in C
```

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along with this program. If not, see <<http://www.gnu.org/licenses/>>. */

```
/* As a special exception, you may create a larger work that contains  
part or all of the Bison parser skeleton and distribute that work  
under terms of your choice, so long as that work isn't itself a  
parser generator using the skeleton or a modified version thereof  
as a parser skeleton. Alternatively, if you modify or redistribute  
the parser skeleton itself, you may (at your option) remove this  
special exception, which will cause the skeleton and the resulting  
Bison output files to be licensed under the GNU General Public  
License without this special exception.
```

This special exception was added by the Free Software Foundation in
version 2.2 of Bison. */

```
#ifndef YY_ASLCOMPILER_OBJ_ASLCOMPILER_Y_H_INCLUDED  
# define YY_ASLCOMPILER_OBJ_ASLCOMPILER_Y_H_INCLUDED  
/* Enabling traces. */  
#ifndef YYDEBUG  
# define YYDEBUG 0  
#endif  
#if YYDEBUG  
extern int AslCompilerdebug;  
#endif
```

```
/* Tokens. */  
#ifndef YYTOKENTYPE  
# define YYTOKENTYPE  
/* Put the tokens into the symbol table, so that GDB and other debuggers  
know about them. */  
enum yytokentype {  
  PARSEOP_ACCESSAS = 258,  
  PARSEOP_ACCESSATTRIB_BLOCK = 259,  
  PARSEOP_ACCESSATTRIB_BLOCK_CALL = 260,  
  PARSEOP_ACCESSATTRIB_BYTE = 261,  
  PARSEOP_ACCESSATTRIB_MULTIBYTE = 262,  
  PARSEOP_ACCESSATTRIB_QUICK = 263,  
  PARSEOP_ACCESSATTRIB_RAW_BYTES = 264,  
  PARSEOP_ACCESSATTRIB_RAW_PROCESS = 265,
```


PARSEOP_ACCESSATTRIB_SND_RCV = 266,
 PARSEOP_ACCESSATTRIB_WORD = 267,
 PARSEOP_ACCESSATTRIB_WORD_CALL = 268,
 PARSEOP_ACCESSTYPE_ANY = 269,
 PARSEOP_ACCESSTYPE_BUF = 270,
 PARSEOP_ACCESSTYPE_BYTE = 271,
 PARSEOP_ACCESSTYPE_DWORD = 272,
 PARSEOP_ACCESSTYPE_QWORD = 273,
 PARSEOP_ACCESSTYPE_WORD = 274,
 PARSEOP_ACQUIRE = 275,
 PARSEOP_ADD = 276,
 PARSEOP_ADDRESSINGMODE_7BIT = 277,
 PARSEOP_ADDRESSINGMODE_10BIT = 278,
 PARSEOP_ADDRESSTYPE ACPI = 279,
 PARSEOP_ADDRESSTYPE_MEMORY = 280,
 PARSEOP_ADDRESSTYPE_NVS = 281,
 PARSEOP_ADDRESSTYPE_RESERVED = 282,
 PARSEOP_ALIAS = 283,
 PARSEOP_AND = 284,
 PARSEOP_ARG0 = 285,
 PARSEOP_ARG1 = 286,
 PARSEOP_ARG2 = 287,
 PARSEOP_ARG3 = 288,
 PARSEOP_ARG4 = 289,
 PARSEOP_ARG5 = 290,
 PARSEOP_ARG6 = 291,
 PARSEOP_BANKFIELD = 292,
 PARSEOP_BITSPERBYTE_EIGHT = 293,
 PARSEOP_BITSPERBYTE_FIVE = 294,
 PARSEOP_BITSPERBYTE_NINE = 295,
 PARSEOP_BITSPERBYTE_SEVEN = 296,
 PARSEOP_BITSPERBYTE_SIX = 297,
 PARSEOP_BREAK = 298,
 PARSEOP_BREAKPOINT = 299,
 PARSEOP_BUFFER = 300,
 PARSEOP_BUSMASTERTYPE_MASTER = 301,
 PARSEOP_BUSMASTERTYPE_NOTMASTER = 302,
 PARSEOP_BYTECONST = 303,
 PARSEOP_CASE = 304,
 PARSEOP_CLOCKPHASE_FIRST = 305,
 PARSEOP_CLOCKPHASE_SECOND = 306,
 PARSEOP_CLOCKPOLARITY_HIGH = 307,
 PARSEOP_CLOCKPOLARITY_LOW = 308,
 PARSEOP_CONCATENATE = 309,
 PARSEOP_CONCATENATERESTEMPLATE = 310,
 PARSEOP_CONDREFOF = 311,
 PARSEOP_CONNECTION = 312,
 PARSEOP_CONTINUE = 313,

PARSEOP_COPYOBJECT = 314,
PARSEOP_CREATEBITFIELD = 315,
PARSEOP_CREATEBYTEFIELD = 316,
PARSEOP_CREATEDWORDFIELD = 317,
PARSEOP_CREATEFIELD = 318,
PARSEOP_CREATEQWORDFIELD = 319,
PARSEOP_CREATEWORDFIELD = 320,
PARSEOP_DATABUFFER = 321,
PARSEOP_DATATABLEREGION = 322,
PARSEOP_DEBUG = 323,
PARSEOP_DECODETYPE_POS = 324,
PARSEOP_DECODETYPE_SUB = 325,
PARSEOP_DECREMENT = 326,
PARSEOP_DEFAULT = 327,
PARSEOP_DEFAULT_ARG = 328,
PARSEOP_DEFINITIONBLOCK = 329,
PARSEOP_DEREOF = 330,
PARSEOP_DEVICE = 331,
PARSEOP_DEVICEPOLARITY_HIGH = 332,
PARSEOP_DEVICEPOLARITY_LOW = 333,
PARSEOP_DIVIDE = 334,
PARSEOP_DMA = 335,
PARSEOP_DMATYPE_A = 336,
PARSEOP_DMATYPE_COMPATIBILITY = 337,
PARSEOP_DMATYPE_B = 338,
PARSEOP_DMATYPE_F = 339,
PARSEOP_DWORDCONST = 340,
PARSEOP_DWORDIO = 341,
PARSEOP_DWORDMEMORY = 342,
PARSEOP_DWORDSPACE = 343,
PARSEOP_EISAID = 344,
PARSEOP_ELSE = 345,
PARSEOP_ELSEIF = 346,
PARSEOP_ENDDEPENDENTFN = 347,
PARSEOP_ENDIAN_BIG = 348,
PARSEOP_ENDIAN_LITTLE = 349,
PARSEOP_ENDTAG = 350,
PARSEOP_ERRORNODE = 351,
PARSEOP_EVENT = 352,
PARSEOP_EXTENDEDIO = 353,
PARSEOP_EXTENDEDMEMORY = 354,
PARSEOP_EXTENDEDSPACE = 355,
PARSEOP_EXTERNAL = 356,
PARSEOP_FATAL = 357,
PARSEOP_FIELD = 358,
PARSEOP_FINDSETLEFTBIT = 359,
PARSEOP_FINDSETRIGHTBIT = 360,
PARSEOP_FIXEDDMA = 361,

PARSEOP_FIXEDIO = 362,
PARSEOP_FLOWCONTROL_HW = 363,
PARSEOP_FLOWCONTROL_NONE = 364,
PARSEOP_FLOWCONTROL_SW = 365,
PARSEOP_FROMBCD = 366,
PARSEOP_FUNCTION = 367,
PARSEOP_GPIO_INT = 368,
PARSEOP_GPIO_IO = 369,
PARSEOP_I2C_SERIALBUS = 370,
PARSEOP_IF = 371,
PARSEOP_INCLUDE = 372,
PARSEOP_INCLUDE_END = 373,
PARSEOP_INCREMENT = 374,
PARSEOP_INDEX = 375,
PARSEOP_INDEXFIELD = 376,
PARSEOP_INTEGER = 377,
PARSEOP_INTERRUPT = 378,
PARSEOP_INTLEVEL_ACTIVEBOTH = 379,
PARSEOP_INTLEVEL_ACTIVEHIGH = 380,
PARSEOP_INTLEVEL_ACTIVELOW = 381,
PARSEOP_INTTYPE_EDGE = 382,
PARSEOP_INTTYPE_LEVEL = 383,
PARSEOP_IO = 384,
PARSEOP_IODECODETYPE_10 = 385,
PARSEOP_IODECODETYPE_16 = 386,
PARSEOP_IORESTRICT_IN = 387,
PARSEOP_IORESTRICT_NONE = 388,
PARSEOP_IORESTRICT_OUT = 389,
PARSEOP_IORESTRICT_PRESERVE = 390,
PARSEOP_IRQ = 391,
PARSEOP_IRQNOFLAGS = 392,
PARSEOP_LAND = 393,
PARSEOP_LEQUAL = 394,
PARSEOP_LGREATER = 395,
PARSEOP_LGREATEREQUAL = 396,
PARSEOP_LLESS = 397,
PARSEOP_LLESSEQUAL = 398,
PARSEOP_LNOT = 399,
PARSEOP_LNOTEQUAL = 400,
PARSEOP_LOAD = 401,
PARSEOP_LOADTABLE = 402,
PARSEOP_LOCAL0 = 403,
PARSEOP_LOCAL1 = 404,
PARSEOP_LOCAL2 = 405,
PARSEOP_LOCAL3 = 406,
PARSEOP_LOCAL4 = 407,
PARSEOP_LOCAL5 = 408,
PARSEOP_LOCAL6 = 409,

PARSEOP_LOCAL7 = 410,
PARSEOP_LOCKRULE_LOCK = 411,
PARSEOP_LOCKRULE_NOLOCK = 412,
PARSEOP_LOR = 413,
PARSEOP_MATCH = 414,
PARSEOP_MATCHTYPE_MEQ = 415,
PARSEOP_MATCHTYPE_MGE = 416,
PARSEOP_MATCHTYPE_MGT = 417,
PARSEOP_MATCHTYPE_MLE = 418,
PARSEOP_MATCHTYPE_MLT = 419,
PARSEOP_MATCHTYPE_MTR = 420,
PARSEOP_MAXTYPE_FIXED = 421,
PARSEOP_MAXTYPE_NOTFIXED = 422,
PARSEOP_MEMORY24 = 423,
PARSEOP_MEMORY32 = 424,
PARSEOP_MEMORY32FIXED = 425,
PARSEOP_MEMTYPE_CACHEABLE = 426,
PARSEOP_MEMTYPE_NONCACHEABLE = 427,
PARSEOP_MEMTYPE_PREFETCHABLE = 428,
PARSEOP_MEMTYPE_WRITECOMBINING = 429,
PARSEOP_METHOD = 430,
PARSEOP_METHODCALL = 431,
PARSEOP_MID = 432,
PARSEOP_MINTYPE_FIXED = 433,
PARSEOP_MINTYPE_NOTFIXED = 434,
PARSEOP_MOD = 435,
PARSEOP_MULTIPLY = 436,
PARSEOP_MUTEX = 437,
PARSEOP_NAME = 438,
PARSEOP_NAMESEG = 439,
PARSEOP_NAMESTRING = 440,
PARSEOP_NAND = 441,
PARSEOP_NOOP = 442,
PARSEOP_NOR = 443,
PARSEOP_NOT = 444,
PARSEOP_NOTIFY = 445,
PARSEOP_OBJECTTYPE = 446,
PARSEOP_OBJECTTYPE_BFF = 447,
PARSEOP_OBJECTTYPE_BUF = 448,
PARSEOP_OBJECTTYPE_DDB = 449,
PARSEOP_OBJECTTYPE_DEV = 450,
PARSEOP_OBJECTTYPE_EVT = 451,
PARSEOP_OBJECTTYPE_FLD = 452,
PARSEOP_OBJECTTYPE_INT = 453,
PARSEOP_OBJECTTYPE_MTH = 454,
PARSEOP_OBJECTTYPE_MTX = 455,
PARSEOP_OBJECTTYPE_OPR = 456,
PARSEOP_OBJECTTYPE_PKG = 457,

PARSEOP_OBJECTTYPE_POW = 458,
PARSEOP_OBJECTTYPE_PRO = 459,
PARSEOP_OBJECTTYPE_STR = 460,
PARSEOP_OBJECTTYPE_THZ = 461,
PARSEOP_OBJECTTYPE_UNK = 462,
PARSEOP_OFFSET = 463,
PARSEOP_ONE = 464,
PARSEOP_ONES = 465,
PARSEOP_OPERATIONREGION = 466,
PARSEOP_OR = 467,
PARSEOP_PACKAGE = 468,
PARSEOP_PACKAGE_LENGTH = 469,
PARSEOP_PARITYTYPE_EVEN = 470,
PARSEOP_PARITYTYPE_MARK = 471,
PARSEOP_PARITYTYPE_NONE = 472,
PARSEOP_PARITYTYPE_ODD = 473,
PARSEOP_PARITYTYPE_SPACE = 474,
PARSEOP_PIN_NOPULL = 475,
PARSEOP_PIN_PULLDEFAULT = 476,
PARSEOP_PIN_PULLDOWN = 477,
PARSEOP_PIN_PULLUP = 478,
PARSEOP_POWERRESOURCE = 479,
PARSEOP_PROCESSOR = 480,
PARSEOP_QWORDCONST = 481,
PARSEOP_QWORDIO = 482,
PARSEOP_QWORDMEMORY = 483,
PARSEOP_QWORDSPACE = 484,
PARSEOP_RANGETYPE_ENTIRE = 485,
PARSEOP_RANGETYPE_ISAONLY = 486,
PARSEOP_RANGETYPE_NONISAONLY = 487,
PARSEOP_RAW_DATA = 488,
PARSEOP_READWRITETYPE_BOTH = 489,
PARSEOP_READWRITETYPE_READONLY = 490,
PARSEOP_REFOF = 491,
PARSEOP_REGIONSPACE_CMOS = 492,
PARSEOP_REGIONSPACE_EC = 493,
PARSEOP_REGIONSPACE_FFIXEDHW = 494,
PARSEOP_REGIONSPACE_GPIO = 495,
PARSEOP_REGIONSPACE_GSBUS = 496,
PARSEOP_REGIONSPACE_IO = 497,
PARSEOP_REGIONSPACE_IPMI = 498,
PARSEOP_REGIONSPACE_MEM = 499,
PARSEOP_REGIONSPACE_PCC = 500,
PARSEOP_REGIONSPACE_PCI = 501,
PARSEOP_REGIONSPACE_PCIBAR = 502,
PARSEOP_REGIONSPACE_SMBUS = 503,
PARSEOP_REGISTER = 504,
PARSEOP_RELEASE = 505,

PARSEOP_RESERVED_BYTES = 506,
PARSEOP_RESET = 507,
PARSEOP_RESOURCETEMPLATE = 508,
PARSEOP_RESOURCETYPE_CONSUMER = 509,
PARSEOP_RESOURCETYPE_PRODUCER = 510,
PARSEOP_RETURN = 511,
PARSEOP_REVISION = 512,
PARSEOP_SCOPE = 513,
PARSEOP_SERIALIZERULE_NOTSERIAL = 514,
PARSEOP_SERIALIZERULE_SERIAL = 515,
PARSEOP_SHARETYPE_EXCLUSIVE = 516,
PARSEOP_SHARETYPE_EXCLUSIVEWAKE = 517,
PARSEOP_SHARETYPE_SHARED = 518,
PARSEOP_SHARETYPE_SHAREDWAKE = 519,
PARSEOP_SHIFTLLEFT = 520,
PARSEOP_SHIFTRIGHT = 521,
PARSEOP_SIGNAL = 522,
PARSEOP_SIZEOF = 523,
PARSEOP_SLAVEMODE_CONTROLLERINIT = 524,
PARSEOP_SLAVEMODE_DEVICEINIT = 525,
PARSEOP_SLEEP = 526,
PARSEOP_SPI_SERIALBUS = 527,
PARSEOP_STALL = 528,
PARSEOP_STARTDEPENDENTFN = 529,
PARSEOP_STARTDEPENDENTFN_NOPRI = 530,
PARSEOP_STOPBITS_ONE = 531,
PARSEOP_STOPBITS_ONEPLUSHALF = 532,
PARSEOP_STOPBITS_TWO = 533,
PARSEOP_STOPBITS_ZERO = 534,
PARSEOP_STORE = 535,
PARSEOP_STRING_LITERAL = 536,
PARSEOP_SUBTRACT = 537,
PARSEOP_SWITCH = 538,
PARSEOP_THERMALZONE = 539,
PARSEOP_TIMER = 540,
PARSEOP_TOBCD = 541,
PARSEOP_TOBUFFER = 542,
PARSEOP_TODECIMALSTRING = 543,
PARSEOP_TOHEXSTRING = 544,
PARSEOP_TOINTEGER = 545,
PARSEOP_TOSTRING = 546,
PARSEOP_TOUUID = 547,
PARSEOP_TRANSLATIONTYPE_DENSE = 548,
PARSEOP_TRANSLATIONTYPE_SPARSE = 549,
PARSEOP_TYPE_STATIC = 550,
PARSEOP_TYPE_TRANSLATION = 551,
PARSEOP_UART_SERIALBUS = 552,
PARSEOP_UNICODE = 553,


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PARSEOP_UNLOAD = 554,
PARSEOP_UPDATERULE_ONES = 555,
PARSEOP_UPDATERULE_PRESERVE = 556,
PARSEOP_UPDATERULE_ZEROS = 557,
PARSEOP_VAR_PACKAGE = 558,
PARSEOP_VENDORLONG = 559,
PARSEOP_VENDORSHORT = 560,
PARSEOP_WAIT = 561,
PARSEOP_WHILE = 562,
PARSEOP_WIREMODE_FOUR = 563,
PARSEOP_WIREMODE_THREE = 564,
PARSEOP_WORDBUSNUMBER = 565,
PARSEOP_WORDCONST = 566,
PARSEOP_WORDIO = 567,
PARSEOP_WORDSPEACE = 568,
PARSEOP_XFERSIZE_8 = 569,
PARSEOP_XFERSIZE_16 = 570,
PARSEOP_XFERSIZE_32 = 571,
PARSEOP_XFERSIZE_64 = 572,
PARSEOP_XFERSIZE_128 = 573,
PARSEOP_XFERSIZE_256 = 574,
PARSEOP_XFERTYPE_8 = 575,
PARSEOP_XFERTYPE_8_16 = 576,
PARSEOP_XFERTYPE_16 = 577,
PARSEOP_XOR = 578,
PARSEOP_ZERO = 579,
PARSEOP___DATE___ = 580,
PARSEOP___FILE___ = 581,
PARSEOP___LINE___ = 582,
PARSEOP___PATH___ = 583
};
#endif
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#define PARSEOP_ACCESSATTRIB_BLOCK 259
#define PARSEOP_ACCESSATTRIB_BLOCK_CALL 260
#define PARSEOP_ACCESSATTRIB_BYTE 261
#define PARSEOP_ACCESSATTRIB_MULTIBYTE 262
#define PARSEOP_ACCESSATTRIB_QUICK 263
#define PARSEOP_ACCESSATTRIB_RAW_BYTES 264
#define PARSEOP_ACCESSATTRIB_RAW_PROCESS 265
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#define PARSEOP_ACCESSATTRIB_WORD 267
#define PARSEOP_ACCESSATTRIB_WORD_CALL 268
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#define PARSEOP_ACCESSTYPE_BUF 270
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#define PARSEOP_ACCESSTYPE_WORD 274
#define PARSEOP_ACQUIRE 275
#define PARSEOP_ADD 276
#define PARSEOP_ADDRESSINGMODE_7BIT 277
#define PARSEOP_ADDRESSINGMODE_10BIT 278
#define PARSEOP_ADDRESSTYPE ACPI 279
#define PARSEOP_ADDRESSTYPE_MEMORY 280
#define PARSEOP_ADDRESSTYPE_NVS 281
#define PARSEOP_ADDRESSTYPE_RESERVED 282
#define PARSEOP_ALIAS 283
#define PARSEOP_AND 284
#define PARSEOP_ARG0 285
#define PARSEOP_ARG1 286
#define PARSEOP_ARG2 287
#define PARSEOP_ARG3 288
#define PARSEOP_ARG4 289
#define PARSEOP_ARG5 290
#define PARSEOP_ARG6 291
#define PARSEOP_BANKFIELD 292
#define PARSEOP_BITSPERBYTE_EIGHT 293
#define PARSEOP_BITSPERBYTE_FIVE 294
#define PARSEOP_BITSPERBYTE_NINE 295
#define PARSEOP_BITSPERBYTE_SEVEN 296
#define PARSEOP_BITSPERBYTE_SIX 297
#define PARSEOP_BREAK 298
#define PARSEOP_BREAKPOINT 299
#define PARSEOP_BUFFER 300
#define PARSEOP_BUSMASTERTYPE_MASTER 301
#define PARSEOP_BUSMASTERTYPE_NOTMASTER 302
#define PARSEOP_BYTECONST 303
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#define PARSEOP_CREATEBITFIELD 315
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#define PARSEOP_DATATABLEREGION 322
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#define PARSEOP_DECODETYPE_POS 324
#define PARSEOP_DECODETYPE_SUB 325
#define PARSEOP_DECREMENT 326
#define PARSEOP_DEFAULT 327
#define PARSEOP_DEFAULT_ARG 328
#define PARSEOP_DEFINITIONBLOCK 329
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#define PARSEOP_DEVICE 331
#define PARSEOP_DEVICEPOLARITY_HIGH 332
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#define PARSEOP_DMATYPE_COMPATIBILITY 337
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#define PARSEOP_DWORDIO 341
#define PARSEOP_DWORDMEMORY 342
#define PARSEOP_DWORDSPACE 343
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#define PARSEOP_ELSE 345
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#define PARSEOP_ENDDEPENDENTFN 347
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#define PARSEOP_EVENT 352
#define PARSEOP_EXTENDEDIO 353
#define PARSEOP_EXTENDEDMEMORY 354
#define PARSEOP_EXTENDEDSPACE 355
#define PARSEOP_EXTERNAL 356
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#define PARSEOP_I2C_SERIALBUS 370
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#define PARSEOP_INCLUDE 372
#define PARSEOP_INCLUDE_END 373
#define PARSEOP_INCREMENT 374
#define PARSEOP_INDEX 375
#define PARSEOP_INDEXFIELD 376
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#define PARSEOP_INTERRUPT 378
#define PARSEOP_INTLEVEL_ACTIVEBOTH 379
#define PARSEOP_INTLEVEL_ACTIVEHIGH 380
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#define PARSEOP_INTTYPE_EDGE 382
#define PARSEOP_INTTYPE_LEVEL 383
#define PARSEOP_IO 384
#define PARSEOP_IODECODETYPE_10 385
#define PARSEOP_IODECODETYPE_16 386
#define PARSEOP_IORESTRICT_IN 387
#define PARSEOP_IORESTRICT_NONE 388
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#define PARSEOP_IORESTRICT_PRESERVE 390
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#define PARSEOP_LGREATER 395
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#define PARSEOP_LLESS 397
#define PARSEOP_LLESSEQUAL 398
#define PARSEOP_LNOT 399
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#define PARSEOP_LOAD 401
#define PARSEOP_LOADTABLE 402
#define PARSEOP_LOCAL0 403
#define PARSEOP_LOCAL1 404
#define PARSEOP_LOCAL2 405
#define PARSEOP_LOCAL3 406
#define PARSEOP_LOCAL4 407
#define PARSEOP_LOCAL5 408
#define PARSEOP_LOCAL6 409
#define PARSEOP_LOCAL7 410
#define PARSEOP_LOCKRULE_LOCK 411
#define PARSEOP_LOCKRULE_NOLOCK 412
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#define PARSEOP_MATCHTYPE_MLE 418
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#define PARSEOP_MATCHTYPE_MTR 420
#define PARSEOP_MAXTYPE_FIXED 421
#define PARSEOP_MAXTYPE_NOTFIXED 422
#define PARSEOP_MEMORY24 423
#define PARSEOP_MEMORY32 424
#define PARSEOP_MEMORY32FIXED 425
#define PARSEOP_MEMTYPE_CACHEABLE 426
#define PARSEOP_MEMTYPE_NONCACHEABLE 427
#define PARSEOP_MEMTYPE_PREFETCHABLE 428
#define PARSEOP_MEMTYPE_WRITECOMBINING 429
#define PARSEOP_METHOD 430
#define PARSEOP_METHODCALL 431
#define PARSEOP_MID 432
#define PARSEOP_MINTYPE_FIXED 433
#define PARSEOP_MINTYPE_NOTFIXED 434
#define PARSEOP_MOD 435
#define PARSEOP_MULTIPLY 436
#define PARSEOP_MUTEX 437
#define PARSEOP_NAME 438
#define PARSEOP_NAMESEG 439
#define PARSEOP_NAMESTRING 440
#define PARSEOP_NAND 441
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#define PARSEOP_NOR 443
#define PARSEOP_NOT 444
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#define PARSEOP_OBJECTTYPE 446
#define PARSEOP_OBJECTTYPE_BFF 447
#define PARSEOP_OBJECTTYPE_BUF 448
#define PARSEOP_OBJECTTYPE_DDB 449
#define PARSEOP_OBJECTTYPE_DEV 450
#define PARSEOP_OBJECTTYPE_EVT 451
#define PARSEOP_OBJECTTYPE_FLD 452
#define PARSEOP_OBJECTTYPE_INT 453
#define PARSEOP_OBJECTTYPE_MTH 454
#define PARSEOP_OBJECTTYPE_MTX 455
#define PARSEOP_OBJECTTYPE_OPR 456
#define PARSEOP_OBJECTTYPE_PKG 457
#define PARSEOP_OBJECTTYPE_POW 458
#define PARSEOP_OBJECTTYPE_PRO 459
#define PARSEOP_OBJECTTYPE_STR 460
#define PARSEOP_OBJECTTYPE_THZ 461
#define PARSEOP_OBJECTTYPE_UNK 462
#define PARSEOP_OFFSET 463
#define PARSEOP_ONE 464

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#define PARSEOP_ONES 465
#define PARSEOP_OPERATIONREGION 466
#define PARSEOP_OR 467
#define PARSEOP_PACKAGE 468
#define PARSEOP_PACKAGE_LENGTH 469
#define PARSEOP_PARITYTYPE_EVEN 470
#define PARSEOP_PARITYTYPE_MARK 471
#define PARSEOP_PARITYTYPE_NONE 472
#define PARSEOP_PARITYTYPE_ODD 473
#define PARSEOP_PARITYTYPE_SPACE 474
#define PARSEOP_PIN_NOPULL 475
#define PARSEOP_PIN_PULLDEFAULT 476
#define PARSEOP_PIN_PULLDOWN 477
#define PARSEOP_PIN_PULLUP 478
#define PARSEOP_POWERRESOURCE 479
#define PARSEOP_PROCESSOR 480
#define PARSEOP_QWORDCONST 481
#define PARSEOP_QWORDIO 482
#define PARSEOP_QWORDMEMORY 483
#define PARSEOP_QWORDSPACE 484
#define PARSEOP_RANGETYPE_ENTIRE 485
#define PARSEOP_RANGETYPE_ISAONLY 486
#define PARSEOP_RANGETYPE_NONISAONLY 487
#define PARSEOP_RAW_DATA 488
#define PARSEOP_READWRITETYPE_BOTH 489
#define PARSEOP_READWRITETYPE_READONLY 490
#define PARSEOP_REFOF 491
#define PARSEOP_REGIONSPACE_CMOS 492
#define PARSEOP_REGIONSPACE_EC 493
#define PARSEOP_REGIONSPACE_FFIXEDHW 494
#define PARSEOP_REGIONSPACE_GPIO 495
#define PARSEOP_REGIONSPACE_GSBUS 496
#define PARSEOP_REGIONSPACE_IO 497
#define PARSEOP_REGIONSPACE_IPMI 498
#define PARSEOP_REGIONSPACE_MEM 499
#define PARSEOP_REGIONSPACE_PCC 500
#define PARSEOP_REGIONSPACE_PCI 501
#define PARSEOP_REGIONSPACE_PCIBAR 502
#define PARSEOP_REGIONSPACE_SMBUS 503
#define PARSEOP_REGISTER 504
#define PARSEOP_RELEASE 505
#define PARSEOP_RESERVED_BYTES 506
#define PARSEOP_RESET 507
#define PARSEOP_RESOURCETEMPLATE 508
#define PARSEOP_RESOURCETYPE_CONSUMER 509
#define PARSEOP_RESOURCETYPE_PRODUCER 510
#define PARSEOP_RETURN 511
#define PARSEOP_REVISION 512

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#define PARSEOP_SCOPE 513
#define PARSEOP_SERIALIZERULE_NOTSERIAL 514
#define PARSEOP_SERIALIZERULE_SERIAL 515
#define PARSEOP_SHARETYPE_EXCLUSIVE 516
#define PARSEOP_SHARETYPE_EXCLUSIVEWAKE 517
#define PARSEOP_SHARETYPE_SHARED 518
#define PARSEOP_SHARETYPE_SHAREDWAKE 519
#define PARSEOP_SHIFTLEFT 520
#define PARSEOP_SHIFTRIGHT 521
#define PARSEOP_SIGNAL 522
#define PARSEOP_SIZEOF 523
#define PARSEOP_SLAVEMODE_CONTROLLERINIT 524
#define PARSEOP_SLAVEMODE_DEVICEINIT 525
#define PARSEOP_SLEEP 526
#define PARSEOP_SPI_SERIALBUS 527
#define PARSEOP_STALL 528
#define PARSEOP_STARTDEPENDENTFN 529
#define PARSEOP_STARTDEPENDENTFN_NOPRI 530
#define PARSEOP_STOPBITS_ONE 531
#define PARSEOP_STOPBITS_ONEPLUSHALF 532
#define PARSEOP_STOPBITS_TWO 533
#define PARSEOP_STOPBITS_ZERO 534
#define PARSEOP_STORE 535
#define PARSEOP_STRING_LITERAL 536
#define PARSEOP_SUBTRACT 537
#define PARSEOP_SWITCH 538
#define PARSEOP_THERMALZONE 539
#define PARSEOP_TIMER 540
#define PARSEOP_TOBCD 541
#define PARSEOP_TOBUFFER 542
#define PARSEOP_TODECIMALSTRING 543
#define PARSEOP_TOHEXSTRING 544
#define PARSEOP_TOINTEGER 545
#define PARSEOP_TOSTRING 546
#define PARSEOP_TOUUID 547
#define PARSEOP_TRANSLATIONTYPE_DENSE 548
#define PARSEOP_TRANSLATIONTYPE_SPARSE 549
#define PARSEOP_TYPE_STATIC 550
#define PARSEOP_TYPE_TRANSLATION 551
#define PARSEOP_UART_SERIALBUS 552
#define PARSEOP_UNICODE 553
#define PARSEOP_UNLOAD 554
#define PARSEOP_UPDATERULE_ONES 555
#define PARSEOP_UPDATERULE_PRESERVE 556
#define PARSEOP_UPDATERULE_ZEROS 557
#define PARSEOP_VAR_PACKAGE 558
#define PARSEOP_VENDORLONG 559
#define PARSEOP_VENDORSHORT 560

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#define PARSEOP_WAIT 561
#define PARSEOP_WHILE 562
#define PARSEOP_WIREMODE_FOUR 563
#define PARSEOP_WIREMODE_THREE 564
#define PARSEOP_WORDBUSNUMBER 565
#define PARSEOP_WORDCONST 566
#define PARSEOP_WORDIO 567
#define PARSEOP_WORDSSPACE 568
#define PARSEOP_XFERSIZE_8 569
#define PARSEOP_XFERSIZE_16 570
#define PARSEOP_XFERSIZE_32 571
#define PARSEOP_XFERSIZE_64 572
#define PARSEOP_XFERSIZE_128 573
#define PARSEOP_XFERSIZE_256 574
#define PARSEOP_XFERTYPE_8 575
#define PARSEOP_XFERTYPE_8_16 576
#define PARSEOP_XFERTYPE_16 577
#define PARSEOP_XOR 578
#define PARSEOP_ZERO 579
#define PARSEOP__DATE__ 580
#define PARSEOP__FILE__ 581
#define PARSEOP__LINE__ 582
#define PARSEOP__PATH__ 583


#if ! defined YYSTYPE && ! defined YYSTYPE_IS_DECLARED
typedef union YYSTYPE
{
/* Line 2053 of yacc.c */
#line 173 "../././source/compiler/aslcompiler.y"

    UINT64      i;
    char        *s;
    ACPI_PARSE_OBJECT *n;

/* Line 2053 of yacc.c */
#line 720 "obj/aslcompiler.y.h"
} YYSTYPE;
# define YYSTYPE_IS_TRIVIAL 1
# define yystype YYSTYPE /* obsolescent; will be withdrawn */
# define YYSTYPE_IS_DECLARED 1
#endif

extern YYSTYPE AslCompilerIval;

#ifdef YYPARSE_PARAM

```



```

#if defined __STDC__ || defined __cplusplus
int AslCompilerparse (void *YYPARSE_PARAM);
#else
int AslCompilerparse ();
#endif
#else /* ! YYPARSE_PARAM */
#if defined __STDC__ || defined __cplusplus
int AslCompilerparse (void);
#else
int AslCompilerparse ();
#endif
#endif /* ! YYPARSE_PARAM */

#endif /* !YY_ASLCOMPILER_OBJ_ASLCOMPILER_Y_H_INCLUDED */
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```

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1.66 json-c 0.11

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1.68 kbd 2.0.2

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/*

Set and restore VC screen for vlock, the VT locking program for linux.

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*/

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
#include <sys/stat.h>
```

```
#include <unistd.h>
```

```
#include <fcntl.h>
```

```
#include "vlock.h"
```

```
static unsigned char lines, columns;
```

```
static void *screen_buf = 0;
```

```
static int vcs = -1;
```

```
void
```

```
init_screen(void)
```

```
{
```

```
    int    failed = 1;
```

```
    const char clear_str[] = "\33[3J\33[H\33[J";
```

```
    vcs = -1;
```

```
    do
```

```
{
```



```

struct stat st;
unsigned i, size;
char path[16];

if (fstat(STDIN_FILENO, &st) == -1)
    break;

if (!S_ISCHR(st.st_mode))
    break;

if ((st.st_rdev >> 8) != 4)
    break;

i = st.st_rdev & 0xff;
sprintf(path, "/dev/vcsa%u", i);
vcs = open(path, O_RDWR);
if (vcs < 0)
    break;

if (read(vcs, &columns, 1) != 1)
    break;

if (read(vcs, &lines, 1) != 1)
    break;

size = 2 * lines * columns + 2;
screen_buf = malloc(size);
if (!screen_buf)
    break;

if (read(vcs, screen_buf, size) != (int) size)
{
    free(screen_buf);
    screen_buf = NULL;
    break;
}

failed = 0;
} while (0);

if (failed && vcs >= 0)
{
    close(vcs);
    vcs = -1;
}

/* There's no need to use ncurses */
if (write(STDOUT_FILENO, clear_str, sizeof(clear_str) - 1) !=

```



```

        sizeof(clear_str) - 1)
    return;
}

void
restore_screen(void)
{
    if (screen_buf)
    {
        do
        {
            if (lseek(vcs, 0, SEEK_SET))
                break;
            if (write(vcs, &columns, 1) != 1)
                break;
            if (write(vcs, &lines, 1) != 1)
                break;
            if (write(vcs, screen_buf, 2 * lines * columns + 2) !=
                2 * lines * columns + 2)
                break;
        } while (0);
        close(vcs);
    }
}

```

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1.69 kmod 18.0

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1.71 libacpi 0.2

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1.73 libassuan 2.1.2

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1.74 libcap 2.22

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1.75 libdaemon 0.14

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1.76 libestr 0.1.6

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```
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 * @file libestr.c
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 *
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 */
#include "config.h"
#include <stdlib.h>
#include <stdio.h>
#include <stdarg.h>
#include <assert.h>

#include "libestr.h"

char *
es_version(void)
```



```
{  
return VERSION;  
}
```

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Version 2.1, February 1999

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1.77 libevent 2.0.21

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1.79 libgcc 4.9.1

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Version 3, 29 June 2007

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1.83 libnewt 0.52.17

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1.84 libnfsidmap 0.25

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1.85 libnl 3.2.25

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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 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

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```
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```
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```

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```

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML>
```

```
<HEAD>
<TITLE>
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```
Secret Rabbit Code (aka libsamplerate)
```



```

</TITLE>
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  <META NAME="Version"  CONTENT="libsamplerate-0.1.8">
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<A HREF="history.html">History</A><BR>
<A HREF="download.html">Download</A><BR>
<A HREF="quality.html">Quality</A><BR>
<A HREF="api.html">API</A><BR>
<A HREF="bugs.html">Bug Reporting</A><BR>
<A HREF="win32.html">On Win32</A><BR>
<A HREF="faq.html">FAQ</A><BR>
<A HREF="lists.html">Mailing Lists</A><BR>
<A HREF="ChangeLog">ChangeLog</A><BR>
<BR>
<DIV CLASS="block">
Author :<BR>Erik de Castro Lopo
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<BR><BR>
<!-- pepper -->

</DIV>
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</DIV>

</TD>
<!-- pepper -->

```



```

<!-- ##### -->
<!-- pepper -->
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<!-- pepper -->
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<UL>
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<P>
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debate</A>
about whether non-GPL software can dynamically link to GPL libraries.
I side with the FSF and assert that an executable dynamically linked

```


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<!-- pepper -->

<P>

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</P>

<!-- pepper -->

<!-- For the spam bots -->

<!-- pepper -->

</DIV>

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</TABLE>

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1.91 libsndfile1 1.0.25

1.91.1 Available under license :

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1.92 libtirpc 0.2.5

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```
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 * debug.c -- debugging routines for libtirpc
 *
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 */
#include <sys/types.h>
#include <stdio.h>
#include <stdarg.h>
#include <unistd.h>
#include <syslog.h>
#include <string.h>
```



```

#include "debug.h"

/* library global debug level */
int libtirpc_debug_level = 0;
int log_stderr = 1; /* log to stderr instead of syslog */

/*
 * Set the debug level for the entire library.
 * Different area will used the value to determin
 * the verbosity of the debugging output.
 */
void
libtirpc_set_debug(char *name, int level, int use_stderr)
{
    if (level < 0)
        level = 0;

    log_stderr = use_stderr;
    if (!use_stderr)
        openlog(name, LOG_PID, LOG_DAEMON);

    libtirpc_debug_level = level;
    LIBTIRPC_DEBUG(1, ("libtirpc: debug level %d", libtirpc_debug_level));
}

void
libtirpc_log_dbg(char *fmt, ...)
{
    va_list args;

    va_start(args, fmt);
    if (log_stderr) {
        vfprintf(stderr, fmt, args);
        fprintf(stderr, "\n");
    } else
        vsyslog(LOG_NOTICE, fmt, args);
    va_end(args);
}

```

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Version 2, June 1991

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1.93 libusb-compat 0.1.5

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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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1.94 libusb1 1.0.19

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1.95 libx11 1.6.2

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1.96 libxau 1.0.8

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1.97 libxcb 1.1

1.98 libxdmcp 1.1.1

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1.99 libxml2 2.9.1

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1.100 libxml2 2.9.4

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1.101 libyaml 0.1.6 :r0

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1.102 linux 3.14

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Here is a list of the main contributors to lm-sensors version 3.

- * Frodo Looijaard
Original author of libsensors, sensors-detect, sensors and isadump.
- * Merlin Hughes
Original author of sensord.
- * 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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```
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```

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```

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

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1.104 logrotate 3.8.7

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```
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1.105 Irzsz 0.12.20

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/*

protname.c - return the name of the protocol used
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*/

#include "zglobal.h"

/* this code was duplicate in lrz.c and lsx.c */

```
const char *
protname(void)
{
    const char *prot_name;
    switch(protocol) {
        case ZM_XMODEM:
            prot_name="XMODEM";
            break;
        case ZM_YMODEM:
            prot_name="YMODEM";
            break;
        default:
```



```
prot_name="ZMODEM";
break;
}
return prot_name;
}
```

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```
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```

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1.107 lzo 2.08

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```
/* compr1c.h --
```

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Markus F.X.J. Oberhumer
<markus@oberhumer.com>
<http://www.oberhumer.com/opensource/lzo/>
*/

```
#define LZO_NEED_DICT_H 1
#include "config1c.h"
```

```
#if !defined(COMPRESS_ID)
#define COMPRESS_ID LZO_PP_ECONCAT2(DD_BITS,CLEVEL)
#endif
```

```
#include "lzo1b_c.ch"
```

```
/*
//
***/
```

```
#define LZO_COMPRESS \
LZO_PP_ECONCAT3(lzo1c_,COMPRESS_ID,_compress)
```

```
#define LZO_COMPRESS_FUNC \
LZO_PP_ECONCAT3(_lzo1c_,COMPRESS_ID,_compress_func)
```

```
/*
//
***/
```

```
const lzo_compress_t LZO_COMPRESS_FUNC = do_compress;
```

```
LZO_PUBLIC(int)
LZO_COMPRESS ( const lzo_bytep in, lzo_uint in_len,
               lzo_bytep out, lzo_uintp out_len,
               lzo_voidp wrkmem )
{
    return _lzo1c_do_compress(in,in_len,out,out_len,wrkmem,do_compress);
}
```


}

/*

vi:ts=4:et

*/

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1.108 m4 1.4.17

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- * imap_gssapi.c is partially derived from sample code in:
- * GSS-API Programming Guide
- * Part No: 816-1331-11
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- *
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Network Working Group H. Krawczyk
Request for Comments: 2104 IBM
Category: Informational M. Bellare
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1.110 man 1.6

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```
/* File-name wildcard pattern matching for GNU.
```

```
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```

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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., 675 Mass Ave, Cambridge, MA 02139, USA. */

```
/* To whomever it may concern: I have never seen the code which most
   Unix programs use to perform this function. I wrote this from scratch
   based on specifications for the pattern matching. --RMS. */
```

```
#ifdef SHELL
#include "config.h"
#endif /* SHELL */
```

```
#include <sys/types.h>
```

```
#if defined (USGr3) && !defined (DIRENT)
#define DIRENT
#endif /* USGr3 */
#if defined (Xenix) && !defined (SYSNDIR)
#define SYSNDIR
#endif /* Xenix */
```

```
#if defined (POSIX) || defined (DIRENT) || defined (__GNU_LIBRARY__)
#include <dirent.h>
```



```

#define direct dirent
#define D_NAMLEN(d) strlen((d)->d_name)
#else /* not POSIX or DIRENT or __GNU_LIBRARY__ */
#define D_NAMLEN(d) ((d)->d_namlen)
#ifdef USG
#if defined (SYSNDIR)
#include <sys/ndir.h>
#else /* SYSNDIR */
#include "ndir.h"
#endif /* not SYSNDIR */
#else /* not USG */
#include <sys/dir.h>
#endif /* USG */
#endif /* POSIX or DIRENT or __GNU_LIBRARY__ */

#ifdef __QNX__
#define REAL_DIR_ENTRY(dp) (dp->d_stat.st_ino != 0)
#elif defined (_POSIX_SOURCE)
/* Posix does not require that the d_ino field be present, and some
   systems do not provide it. */
#define REAL_DIR_ENTRY(dp) 1
#else
#define REAL_DIR_ENTRY(dp) (dp->d_ino != 0)
#endif /* _POSIX_SOURCE */

#if defined (STDC_HEADERS) || defined (__GNU_LIBRARY__)
#include <stdlib.h>
#include <string.h>
#define STDC_STRINGS
#else /* STDC_HEADERS or __GNU_LIBRARY__ */

#if defined (USG)
#include <string.h>
#else
#include <memory.h>
#endif /* POSIX */
#define STDC_STRINGS
#else /* not USG */
#ifdef NeXT
#include <string.h>
#else /* NeXT */
#include <strings.h>
#endif /* NeXT */
/* Declaring bcopy causes errors on systems whose declarations are different.
   If the declaration is omitted, everything works fine. */
#endif /* not USG */

extern char *malloc ();

```



```

extern char *realloc ();
extern void free ();

#ifndef NULL
#define NULL 0
#endif
#endif /* Not STDC_HEADERS or __GNU_LIBRARY__. */

#ifdef STDC_STRINGS
#define bcopy(s, d, n) memcpy ((d), (s), (n))
#define index strchr
#define rindex strrchr
#endif /* STDC_STRINGS */

#ifndef alloca
#ifdef __GNUC__
#define alloca __builtin_alloca
#else /* Not GCC. */
#ifdef sparc
#include <alloca.h>
#else /* Not sparc. */
extern char *alloca ();
#endif /* sparc. */
#endif /* GCC. */
#endif

/* Nonzero if '*' and '?' do not match an initial '.' for glob_filename. */
int noglob_dot_filenames = 1;

static int glob_match_after_star ();

/* Return nonzero if PATTERN has any special globbing chars in it. */

int
glob_pattern_p (pattern)
    char *pattern;
{
    register char *p = pattern;
    register char c;
    int open = 0;

    while ((c = *p++) != '\0')
        switch (c)
        {
            case '?':
            case '*':
                return 1;
        }
}

```



```

    case '[': /* Only accept an open brace if there is a close */
open++; /* brace to match it. Bracket expressions must be */
continue; /* complete, according to Posix.2 */
    case ']':
if (open)
    return 1;
continue;

    case '\\':
if (*p++ == '\\0')
    return 0;
    }

return 0;
}

```

/* Match the pattern PATTERN against the string TEXT;
return 1 if it matches, 0 otherwise.

A match means the entire string TEXT is used up in matching.

In the pattern string, '*' matches any sequence of characters,
'?' matches any character, [SET] matches any character in the specified set,
[!SET] matches any character not in the specified set.

A set is composed of characters or ranges; a range looks like
character hyphen character (as in 0-9 or A-Z).
[0-9a-zA-Z_] is the set of characters allowed in C identifiers.
Any other character in the pattern must be matched exactly.

To suppress the special syntactic significance of any of '[*?!-\\',
and match the character exactly, precede it with '\\'.

If DOT_SPECIAL is nonzero,
'*' and '?' do not match '.' at the beginning of TEXT. */

```

int
glob_match (pattern, text, dot_special)
    char *pattern, *text;
    int dot_special;
{
    register char *p = pattern, *t = text;
    register char c;

    while ((c = *p++) != '\\0')
        switch (c)
        {

```



```

        case '?':
if (*t == '\0' || (dot_special && t == text && *t == '.'))
    return 0;
else
    ++t;
break;

```

```

        case '\\':
if (*p++ != *t++)
    return 0;
break;

```

```

        case '*':
if (dot_special && t == text && *t == '.')
    return 0;
return glob_match_after_star (p, t);

```

```

        case '[':
{
    register char c1 = *t++;
    int invert;

    if (c1 == '\0')
        return 0;

    invert = (*p == '!');

    if (invert)
        p++;

    c = *p++;
    while (1)
    {
        register char cstart = c, cend = c;

        if (c == '\\')
        {
            cstart = *p++;
            cend = cstart;
        }

        if (cstart == '\0')
            return 0; /* Missing ']' */

        c = *p++;

        if (c == '-')
        {

```



```

    cend = *p++;
    if (cend == "\\")
        cend = *p++;
    if (cend == "\0")
        return 0;
    c = *p++;
}
    if (c1 >= cstart && c1 <= cend)
goto match;
    if (c == ']')
break;
}
if (!invert)
    return 0;
break;

match:
/* Skip the rest of the [...] construct that already matched. */
while (c != ']')
{
    if (c == '\0')
return 0;
    c = *p++;
    if (c == '\0')
return 0;
    if (c == "\\")
p++;
}
if (invert)
    return 0;
break;
}

default:
if (c != *t++)
    return 0;
}

return *t == '\0';
}

/* Like glob_match, but match PATTERN against any final segment of TEXT. */

static int
glob_match_after_star (pattern, text)
    char *pattern, *text;
{
    register char *p = pattern, *t = text;

```



```

register char c, c1;

while ((c = *p++) == '?' || c == '*')
    if (c == '?' && *t++ == '\0')
        return 0;

if (c == '\0')
    return 1;

if (c == '\\')
    c1 = *p;
else
    c1 = c;

--p;
while (1)
{
    if ((c == '[' || *t == c1) && glob_match (p, t, 0))
        return 1;
    if (*t++ == '\0')
        return 0;
}
}

/* Return a vector of names of files in directory DIR
whose names match glob pattern PAT.
The names are not in any particular order.
Wildcards at the beginning of PAT do not match an initial period
if noglob_dot_filenames is nonzero.

The vector is terminated by an element that is a null pointer.

To free the space allocated, first free the vector's elements,
then free the vector.

Return NULL if cannot get enough memory to hold the pointer
and the names.

Return -1 if cannot access directory DIR.
Look in errno for more information. */

char **
glob_vector (pat, dir)
    char *pat;
    char *dir;
{
    struct globval
    {

```



```

    struct globval *next;
    char *name;
};

DIR *d;
register struct direct *dp;
struct globval *lastlink;
register struct globval *nextlink;
register char *nextname;
unsigned int count;
int lose;
register char **name_vector = 0;
register unsigned int i;
#ifdef ALLOCA_MISSING
    struct globval *templink;
#endif

d = opendir (dir);
if (d == NULL)
    return (char **) -1;

lastlink = NULL;
count = 0;
lose = 0;

/* Scan the directory, finding all names that match.
   For each name that matches, allocate a struct globval
   on the stack and store the name in it.
   Chain those structs together; lastlink is the front of the chain. */
while (1)
{
    #if defined (SHELL)
        /* Make globbing interruptible in the bash shell. */
        extern int interrupt_state;

        if (interrupt_state)
        {
            closedir (d);
            lose = 1;
            goto lost;
        }
    #endif /* SHELL */

    dp = readdir (d);
    if (dp == NULL)
        break;
    if (REAL_DIR_ENTRY (dp)
        && glob_match (pat, dp->d_name, noglob_dot_filenames))

```



```

{
#ifdef ALLOCA_MISSING
    nextlink = (struct globval *) malloc (sizeof (struct globval));
#else
    nextlink = (struct globval *) alloca (sizeof (struct globval));
#endif
    nextlink->next = lastlink;
    i = D_NAMLEN (dp) + 1;
    nextname = (char *) malloc (i);
    if (nextname == NULL)
    {
        lose = 1;
        break;
    }
    lastlink = nextlink;
    nextlink->name = nextname;
    bcopy (dp->d_name, nextname, i);
    count++;
}
}
closedir (d);

if (!lose)
{
    name_vector = (char **) malloc ((count + 1) * sizeof (char *));
    lose |= name_vector == NULL;
}

/* Have we run out of memory? */
#ifdef SHELL
lost:
#endif
if (lose)
{
    /* Here free the strings we have got. */
    while (lastlink)
    {
        free (lastlink->name);
#ifdef ALLOCA_MISSING
        templink = lastlink->next;
        free ((char *) lastlink);
        lastlink = templink;
#else
        lastlink = lastlink->next;
#endif
    }
    return NULL;
}

```



```

/* Copy the name pointers from the linked list into the vector. */
for (i = 0; i < count; ++i)
{
    name_vector[i] = lastlink->name;
#ifdef ALLOCA_MISSING
    templink = lastlink->next;
    free ((char *) lastlink);
    lastlink = templink;
#else
    lastlink = lastlink->next;
#endif
}

name_vector[count] = NULL;
return name_vector;
}

/* Return a new array, replacing ARRAY, which is the concatenation
of each string in ARRAY to DIR.
Return NULL if out of memory. */

static char **
glob_dir_to_array (dir, array)
    char *dir, **array;
{
    register unsigned int i, l;
    int add_slash = 0;
    char **result;

    l = strlen (dir);
    if (l == 0)
        return array;

    if (dir[l - 1] != '/')
        add_slash++;

    for (i = 0; array[i] != NULL; i++)
        ;

    result = (char **) malloc ((i + 1) * sizeof (char *));
    if (result == NULL)
        return NULL;

    for (i = 0; array[i] != NULL; i++)
    {
        result[i] = (char *) malloc (1 + 1 + add_slash + strlen (array[i]));
        if (result[i] == NULL)

```



```

return NULL;
    strcpy (result[i], dir);
    if (add_slash)
result[i][l] = '/';
    strcpy (result[i] + l + add_slash, array[i]);
    }
result[i] = NULL;

/* Free the input array. */
for (i = 0; array[i] != NULL; i++)
    free (array[i]);
free ((char *) array);
return result;
}

/* Do globbing on PATHNAME. Return an array of pathnames that match,
marking the end of the array with a null-pointer as an element.
If no pathnames match, then the array is empty (first element is null).
If there isn't enough memory, then return NULL.
If a file system error occurs, return -1; `errno' has the error code.

Wildcards at the beginning of PAT, or following a slash,
do not match an initial period if noglob_dot_filenames is nonzero. */

char **
glob_filename (const char *pathname)
{
    char **result;
    unsigned int result_size;
    char *directory_name;
    const char *filename;
    unsigned int directory_len;

    result = (char **) malloc (sizeof (char *));
    result_size = 1;
    if (result == NULL)
        return NULL;

    result[0] = NULL;

    /* Find the filename. */
    filename = rindex (pathname, '/');
    if (filename == NULL)
    {
        filename = pathname;
        directory_name = "";
        directory_len = 0;
    }

```



```

else
{
    directory_len = (filename - pathname) + 1;
#ifdef ALLOCA_MISSING
    directory_name = (char *) malloc (directory_len + 1);
#else
    directory_name = (char *) alloca (directory_len + 1);
#endif
    bcopy (pathname, directory_name, directory_len);
    directory_name[directory_len] = '\0';
    ++filename;
}

/* If directory_name contains globbing characters, then we
   have to expand the previous levels. Just recurse. */
if (glob_pattern_p (directory_name))
{
    char **directories;
    register unsigned int i;

    if (directory_name[directory_len - 1] == '/')
        directory_name[directory_len - 1] = '\0';

    directories = glob_filename (directory_name);
#ifdef ALLOCA_MISSING
    free ((char *) directory_name);
#endif
    if (directories == NULL)
        goto memory_error;
    else if (directories == (char **) -1)
        return (char **) -1;
    else if (*directories == NULL)
    {
        free ((char *) directories);
        return (char **) -1;
    }

    /* We have successfully globbed the preceding directory name.
       For each name in DIRECTORIES, call glob_vector on it and
       FILENAME. Concatenate the results together. */
    for (i = 0; directories[i] != NULL; i++)
    {
        char **temp_results = glob_vector (filename, directories[i]);
        if (temp_results == NULL)
            goto memory_error;
        else if (temp_results == (char **) -1)
            /* This filename is probably not a directory. Ignore it. */
            ;
    }

```



```

else
{
    char **array = glob_dir_to_array (directories[i], temp_results);
    register unsigned int l;

    l = 0;
    while (array[l] != NULL)
    ++l;

    result = (char **) realloc (result,
    (result_size + l) * sizeof (char *));
    if (result == NULL)
    goto memory_error;

    for (l = 0; array[l] != NULL; ++l)
    result[result_size++ - 1] = array[l];
    result[result_size - 1] = NULL;
    free ((char *) array);
}
}

/* Free the directories. */
for (i = 0; directories[i] != NULL; i++)
free (directories[i]);
free ((char *) directories);

return result;
}

/* If there is only a directory name, return it. */
if (*filename == '\0')
{
    result = (char **) realloc ((char *) result, 2 * sizeof (char *));
    if (result != NULL)
    {
        result[0] = (char *) malloc (directory_len + 1);
        if (result[0] == NULL)
        {
#ifdef ALLOCA_MISSING
            free ((char *) directory_name);
#endif
            goto memory_error;
        }
        bcopy (directory_name, result[0], directory_len + 1);
        result[1] = NULL;
    }
#ifdef ALLOCA_MISSING
    free ((char *) directory_name);
#endif
}

```



```

        return result;
    }
else
    {
        /* Otherwise, just return what glob_vector
        returns appended to the directory name. */
        char **temp_results = glob_vector (filename,
        (directory_len == 0
        ? "." : directory_name));

        if (temp_results == NULL || temp_results == (char **) -1)
        {
#ifdef NO_ALLOCA
            free ((char *) directory_name);
#endif
            return temp_results;
        }

        temp_results = glob_dir_to_array (directory_name, temp_results);
#ifdef NO_ALLOCA
            free ((char *) directory_name);
#endif
            return temp_results;
        }

        /* We get to memory error if the program has run out of memory, or
        if this is the shell, and we have been interrupted. */
memory_error:
        if (result != NULL)
        {
            register unsigned int i;
            for (i = 0; result[i] != NULL; ++i)
                free (result[i]);
            free ((char *) result);
        }
#ifdef defined (SHELL)
        {
            extern int interrupt_state;

            if (interrupt_state)
                throw_to_top_level ();
        }
#endif /* SHELL */
        return NULL;
    }

#ifdef TEST

```



```

main (argc, argv)
    int argc;
    char **argv;
{
    char **value;
    int i, optind;

    for (optind = 1; optind < argc; optind++)
    {
        value = glob_filename (argv[optind]);
        if (value == NULL)
            puts ("virtual memory exhausted");
        else if (value == (char **) -1)
            perror (argv[optind]);
        else
            for (i = 0; value[i] != NULL; i++)
                puts (value[i]);
    }
    exit (0);
}

```

#endif /* TEST */

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1.111 mdadm 3.3.1

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1.114 minicom 2.7

1.114.1 Available under license :

```
/*
* dial.c Functions to dial, retry etc. Als contains the dialing
* directory code, _and_ the famous tu-di-di music.
*
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* 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
*
* jl 22.06.97 Logging connects and disconnects.
* jl 23.06.97 Adjustable DTR droptime
* jl 21.09.97 Conversion table filenames in dialdir
* jl 05.10.97 Line speed changed to long in dial()
* jl 26.01.98 last login date & time added to dialing window
* jl 16.04.98 start searching for dialing tags from the highlighted entry
* jl 12.06.98 save the old dialdir if it was an old version
* er 18-Apr-99 When calling a multiline BBS
* tagged entries with same name are untagged
* jl 01.09.99 Move entry up/down in directory
* jl 10.02.2000 Stopbits field added
*/
```


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1.118 ncurses 5.9

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1.119 ncurses 5.9-2.20110716

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1.120 net-snmp 5.1.1 :5.0.0.0501961

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1.121 net-tools 1.60-25

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1.122 nettle 2.7.1

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1.123 nfs-utils 1.3.0

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- 33. [36]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
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- 35. [38]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG
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- 46. [50]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
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1.128 oprofile 0.9.9

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.129 ossp-uuid 1.6.2

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```
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##
## This file is part of OSSP uuid, a library for the generation
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##
## Makefile.PL: top-level Perl ExtUtils::MakeMaker wrapper script
##
```

```
require 5.008;
use IO::File;
```

```
my $ARGS = join(" ", @ARGV);
```

```
print "++ writing Makefile\n";
```

```
my $mk = new IO::File ">Makefile" or die;
$mk->print(<< "EOF");
```

```
PERL    = $^X
FULLPERL = $^X
ARGS    = $ARGS
```

```
all pure_all:
```

```
\@if [ ! -d build ]; then mkdir build; fi
\@if [ ! -f build/Makefile ]; then (cd build && ../configure --disable-shared); fi
\@if [ ! -f build/libuuid.la ]; then (cd build && \$(MAKE) \$(MFLAGS) libuuid.la); fi
\@if [ ! -f perl/Makefile ]; then (cd perl && \$(PERL) Makefile.PL \$(ARGS)); fi
\@cd perl && \$(MAKE) \$(MFLAGS) \$$@
```

```
install pure_install test:
```

```
\@cd perl && \$(MAKE) \$(MFLAGS) \$$@
```

```
clean:
```

```
\@cd build && \$(MAKE) \$(MFLAGS) \$$@
\@cd perl && \$(MAKE) \$(MFLAGS) \$$@
```


distclean realclean:

```
\@cd build && \$(MAKE) \$(MFLAGS) \$_@  
\@cd perl && \$(MAKE) \$(MFLAGS) \$_@  
-rm -rf build || true  
-rm -rf Makefile || true
```

EOF

\$mk->close();

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2

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1.133 perl 5.20.0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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```

```
."@PM-UTILS-LIBDIR@/pm-functions"
```

```
help_options()
{
    echo "pm-is-supported [--suspend | --hibernate | --suspend-hybrid ]"
    echo
}
```

```
ARG="$(echo ${1#--}|tr - _)"
```

```
case "$ARG" in
    suspend|hibernate|suspend_hybrid)
        "check_$ARG" ;;
    help) help_options ;;
    *) help_options 1>&2
        exit 1 ;;
esac
```

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1.137 popt 1.16

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1.138 postfix 2.11.1

1.139 powertop 2.6.1

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 *
 * Authors:
 * Arjan van de Ven <arjan@linux.intel.com>
 */

#ifndef _INCLUDE_GUARD_USB_H
#define _INCLUDE_GUARD_USB_H

#include "device.h"
#include "../parameters/parameters.h"

class usbdevice: public device {
    int active_before, active_after;
    int connected_before, connected_after;
    char sysfs_path[4096];
    char name[4096];
    char devname[4096];
```



```

char humannname[4096];
int index;
int r_index;
int rootport;
public:

usbdevice(const char *_name, const char *path, const char *devid);

virtual void start_measurement(void);
virtual void end_measurement(void);

virtual double utilization(void); /* percentage */

virtual const char * class_name(void) { return "usb"; };

virtual const char * device_name(void);
virtual const char * human_name(void);
virtual double power_usage(struct result_bundle *result, struct parameter_bundle *bundle);
virtual int power_valid(void) { return utilization_power_valid(r_index); };
virtual int grouping_prio(void) { return 4; };
};

extern void create_all_usb_devices(void);

```

#endif

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Version 2, June 1991

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$$@D$|D$D$L1qT9sb|$9yPuFD$DT$ {D$)9CrT9r|PL$9JPuFD$|PL$L$ 9kvqL$9wD$L$K
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D$T$0T$,$=ut|$~-f}5EPhE0EE E(E$E E,'D$<D$D$qCT$9w;Uw9vP|$uF}t$t$
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1.141 procps 3.2.8

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1.142 psmisc 22.21

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 */

#ifndef COMM_H
```



```

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#ifdef HAVE_CONFIG_H
#include <config.h>
#endif

/*
 * COMM_LEN should be the same size as TASK_COMM_LEN in the Linux source
 * at include/linux/sched.h
 */
#define COMM_LEN 16

```

#endif
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1.143 pth 2.0.7

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1.144 Python 2.7.3

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=====

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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.

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Release	Derived	Year	Owner	GPL-
	from			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
2.7	2.6	2010	PSF	yes

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written by Ulrich Drepper <drepper@gnu.ai.mit.edu>, June 1995

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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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1.147 quota 4.01

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 *
```


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 */

```
#include "config.h"
```

```
#include <unistd.h>
```

```
#include <errno.h>
```

```
#include <string.h>
```

```
#include <stdlib.h>
```

```
#include "pot.h"
```

```
#include "common.h"
```

```
#include "quotaio_v1.h"
```

```
#include "dqblk_v1.h"
```

```
#include "quotaio.h"
```

```
#include "quotasys.h"
```

```
#include "quotaio_generic.h"
```

```
static int v1_check_file(int fd, int type, int fmt);
```

```
static int v1_init_io(struct quota_handle *h);
```

```
static int v1_new_io(struct quota_handle *h);
```

```
static int v1_write_info(struct quota_handle *h);
```

```
static struct dquot *v1_read_dquot(struct quota_handle *h, qid_t id);
```

```
static int v1_commit_dquot(struct dquot *dquot, int flags);
```



```
static int v1_scan_dquots(struct quota_handle *h, int (*process_dquot) (struct dquot *dquot, char *dqname));
```

```
struct quotafile_ops quotafile_ops_1 = {
check_file: v1_check_file,
init_io: v1_init_io,
new_io: v1_new_io,
write_info: v1_write_info,
read_dquot: v1_read_dquot,
commit_dquot: v1_commit_dquot,
scan_dquots: v1_scan_dquots,
};
```

```
/*
```

```
 * Copy dquot from disk to memory
```

```
*/
```

```
static inline void v1_disk2memdqblk(struct util_dqblk *m, struct v1_disk_dqblk *d)
```

```
{
m->dq_b_ihardlimit = d->dq_b_ihardlimit;
m->dq_b_isoftlimit = d->dq_b_isoftlimit;
m->dq_b_bhardlimit = d->dq_b_bhardlimit;
m->dq_b_bsoftlimit = d->dq_b_bsoftlimit;
m->dq_b_curinodes = d->dq_b_curinodes;
m->dq_b_curspace = ((qsize_t)d->dq_b_curblocks) * V1_DQBLK_SIZE;
m->dq_b_itime = d->dq_b_itime;
m->dq_b_btime = d->dq_b_btime;
}
```

```
/*
```

```
 * Copy dquot from memory to disk
```

```
*/
```

```
static inline void v1_mem2diskdqblk(struct v1_disk_dqblk *d, struct util_dqblk *m)
```

```
{
d->dq_b_ihardlimit = m->dq_b_ihardlimit;
d->dq_b_isoftlimit = m->dq_b_isoftlimit;
d->dq_b_bhardlimit = m->dq_b_bhardlimit;
d->dq_b_bsoftlimit = m->dq_b_bsoftlimit;
d->dq_b_curinodes = m->dq_b_curinodes;
d->dq_b_curblocks = m->dq_b_curspace >> V1_DQBLK_SIZE_BITS;
d->dq_b_itime = m->dq_b_itime;
d->dq_b_btime = m->dq_b_btime;
}
```

```
/* Convert kernel quotablock format to utility one */
```

```
static inline void v1_kern2utildqblk(struct util_dqblk *u, struct v1_kern_dqblk *k)
```

```
{
u->dq_b_ihardlimit = k->dq_b_ihardlimit;
u->dq_b_isoftlimit = k->dq_b_isoftlimit;
u->dq_b_bhardlimit = k->dq_b_bhardlimit;
```



```

u->dq_bsoftlimit = k->dq_bsoftlimit;
u->dq_curinodes = k->dq_curinodes;
u->dq_curspace = ((qsize_t)k->dq_curblocks) << V1_DQBLK_SIZE_BITS;
u->dq_itime = k->dq_itime;
u->dq_btime = k->dq_btime;
}

/* Convert utility quotablock format to kernel one */
static inline void v1_util2kerndqblk(struct v1_kern_dqblk *k, struct util_dqblk *u)
{
    k->dq_ihardlimit = u->dq_ihardlimit;
    k->dq_isoftlimit = u->dq_isoftlimit;
    k->dq_bhardlimit = u->dq_bhardlimit;
    k->dq_bsoftlimit = u->dq_bsoftlimit;
    k->dq_curinodes = u->dq_curinodes;
    k->dq_curblocks = (u->dq_curspace + V1_DQBLK_SIZE - 1) >> V1_DQBLK_SIZE_BITS;
    k->dq_itime = u->dq_itime;
    k->dq_btime = u->dq_btime;
}

/*
 * Check whether quotafile is in our format
 */
static int v1_check_file(int fd, int type, int fmt)
{
    struct stat st;

    if (fstat(fd, &st) < 0)
        return 0;
    if (!st.st_size || st.st_size % sizeof(struct v1_disk_dqblk))
        return 0;
    return 1;
}

/*
 * Open quotafile
 */
static int v1_init_io(struct quota_handle *h)
{
    if (QIO_ENABLED(h)) {
        if (kernel_iface == IFACE_GENERIC) {
            if (vfs_get_info(h) < 0)
                return -1;
        }
    }
    else {
        struct v1_kern_dqblk kdqblk;

        if (quotactl(QCMD(Q_V1_GETQUOTA, h->qh_type), h->qh_quotadev, 0, (void *)&kdqblk) < 0) {

```



```

if (errno == EPERM) { /* We have no permission to get this information? */
    h->qh_info.dqi_bgrace = h->qh_info.dqi_igrace = 0; /* It hopefully won't be needed */
}
else
    return -1;
}
else {
    h->qh_info.dqi_bgrace = kdqblk.dqb_btime;
    h->qh_info.dqi_igrace = kdqblk.dqb_itime;
}
}
}
else {
    struct v1_disk_dqblk ddqblk;

    lseek(h->qh_fd, 0, SEEK_SET);
    if (read(h->qh_fd, &ddqblk, sizeof(ddqblk)) != sizeof(ddqblk))
        return -1;
    h->qh_info.dqi_bgrace = ddqblk.dqb_btime;
    h->qh_info.dqi_igrace = ddqblk.dqb_itime;
}
if (!h->qh_info.dqi_bgrace)
    h->qh_info.dqi_bgrace = MAX_DQ_TIME;
if (!h->qh_info.dqi_igrace)
    h->qh_info.dqi_igrace = MAX_IQ_TIME;
h->qh_info.dqi_max_b_limit = ~(uint32_t)0;
h->qh_info.dqi_max_i_limit = ~(uint32_t)0;
h->qh_info.dqi_max_b_usage = ((uint64_t)(~(uint32_t)0)) << V1_DQBLK_SIZE_BITS;
h->qh_info.dqi_max_i_usage = ~(uint32_t)0;

return 0;
}

/*
 * Initialize new quotafile
 */
static int v1_new_io(struct quota_handle *h)
{
    struct v1_disk_dqblk ddqblk;

    /* Write at least roots dquot with grace times */
    memset(&ddqblk, 0, sizeof(ddqblk));
    ddqblk.dqb_btime = MAX_DQ_TIME;
    ddqblk.dqb_itime = MAX_IQ_TIME;
    h->qh_info.dqi_bgrace = MAX_DQ_TIME;
    h->qh_info.dqi_igrace = MAX_IQ_TIME;
    h->qh_info.dqi_max_b_limit = ~(uint32_t)0;
    h->qh_info.dqi_max_i_limit = ~(uint32_t)0;
}

```



```

h->qh_info.dqi_max_b_usage = ((uint64_t)(~(uint32_t)0)) << V1_DQBLK_SIZE_BITS;
h->qh_info.dqi_max_i_usage = ~(uint32_t)0;
lseek(h->qh_fd, 0, SEEK_SET);
if (write(h->qh_fd, &ddqblk, sizeof(ddqblk)) != sizeof(ddqblk))
    return -1;
return 0;
}

/*
 * Write information (grace times to file)
 */
static int v1_write_info(struct quota_handle *h)
{
    if (QIO_RO(h)) {
        errstr(_("Trying to write info to readonly quotafile on %s.\n"), h->qh_quotadev);
        errno = EPERM;
        return -1;
    }
    if (QIO_ENABLED(h)) {
        if (kernel_iface == IFACE_GENERIC) {
            if (vfs_set_info(h, IIF_BGRACE | IIF_IGRACE) < 0)
                return -1;
        }
        else {
            struct v1_kern_dqblk kdqblk;

            if (quotactl(QCMD(Q_V1_GETQUOTA, h->qh_type), h->qh_quotadev, 0, (void *)&kdqblk) < 0)
                return -1;
            kdqblk.dqb_btime = h->qh_info.dqi_bgrace;
            kdqblk.dqb_ityme = h->qh_info.dqi_igrace;
            if (quotactl(QCMD(Q_V1_SETQUOTA, h->qh_type), h->qh_quotadev, 0, (void *)&kdqblk) < 0)
                return -1;
        }
    }
    else {
        struct v1_disk_dqblk ddqblk;

        lseek(h->qh_fd, 0, SEEK_SET);
        if (read(h->qh_fd, &ddqblk, sizeof(ddqblk)) != sizeof(ddqblk))
            return -1;
        ddqblk.dqb_btime = h->qh_info.dqi_bgrace;
        ddqblk.dqb_ityme = h->qh_info.dqi_igrace;
        lseek(h->qh_fd, 0, SEEK_SET);
        if (write(h->qh_fd, &ddqblk, sizeof(ddqblk)) != sizeof(ddqblk))
            return -1;
    }
    return 0;
}

```



```

/*
 * Read a dqblk struct from the quotafile.
 * User can use 'errno' to detect errstr.
 */
static struct dqquot *v1_read_dquot(struct quota_handle *h, qid_t id)
{
    struct v1_disk_dqblk ddqblk;
    struct dqquot *dqquot = get_empty_dquot();

    dqquot->dq_id = id;
    dqquot->dq_h = h;
    if (QIO_ENABLED(h)) { /* Does kernel use the file? */
        if (kernel_iface == IFACE_GENERIC) {
            if (vfs_get_dquot(dqquot) < 0) {
                free(dqquot);
                return NULL;
            }
        }
        else {
            struct v1_kern_dqblk kdqblk;

            if (quotactl(QCMD(Q_V1_GETQUOTA, h->qh_type), h->qh_quotadev, id, (void *)&kdqblk) < 0) {
                free(dqquot);
                return NULL;
            }
            v1_kern2utildqblk(&dqquot->dq_dqb, &kdqblk);
        }
    }
    else {
        lseek(h->qh_fd, (long)V1_DQOFF(id), SEEK_SET);
        switch (read(h->qh_fd, &ddqblk, sizeof(ddqblk))) {
            case 0: /* EOF */
                /*
                 * Convert implicit 0 quota (EOF) into an
                 * explicit one (zero'ed dqblk)
                 */
                memset(&dqquot->dq_dqb, 0, sizeof(struct util_dqblk));
                break;
            case sizeof(struct v1_disk_dqblk): /* OK */
                v1_disk2memdqblk(&dqquot->dq_dqb, &ddqblk);
                break;
            default: /* ERROR */
                free(dqquot);
                return NULL;
        }
    }
    return dqquot;
}

```



```

}

/*
 * Write a dqblk struct to the quotafile.
 * User can process use 'errno' to detect errstr
 */
static int v1_commit_dquot(struct dquot *dquot, int flags)
{
    struct v1_disk_dqblk ddqblk;
    struct quota_handle *h = dquot->dq_h;

    if (QIO_RO(h)) {
        errstr(_("Trying to write quota to readonly quotafile on %s\n"), h->qh_quotadev);
        errno = EPERM;
        return -1;
    }
    if (QIO_ENABLED(h)) { /* Kernel uses same file? */
        if (kernel_iface == IFACE_GENERIC) {
            if (vfs_set_dquot(dquot, flags) < 0)
                return -1;
        }
        else {
            struct v1_kern_dqblk kdqblk;
            int cmd;

            if (flags == COMMIT_USAGE)
                cmd = Q_V1_SETUSE;
            else if (flags == COMMIT_LIMITS)
                cmd = Q_V1_SETQLIM;
            else if (flags & COMMIT_TIMES) {
                errno = EINVAL;
                return -1;
            }
            else
                cmd = Q_V1_SETQUOTA;
            v1_util2kerndqblk(&kdqblk, &dquot->dq_dqb);
            if (quotactl(QCMD(cmd, h->qh_type), h->qh_quotadev, dquot->dq_id,
                (void *)&kdqblk) < 0)
                return -1;
        }
    }
    else {
        if (check_dquot_range(dquot) < 0) {
            errno = ERANGE;
            return -1;
        }
        v1_mem2diskdqblk(&ddqblk, &dquot->dq_dqb);
        lseek(h->qh_fd, (long)V1_DQOFF(dquot->dq_id), SEEK_SET);
    }
}

```



```

    if (write(h->qh_fd, &ddqblk, sizeof(ddqblk)) != sizeof(ddqblk))
        return -1;
    }
    return 0;
}

/*
 * Scan all dquot in file and call callback on each
 */
#define SCANBUFSIZE 256

static int v1_scan_dquot(struct quota_handle *h, int (*process_dquot) (struct dquot *, char *))
{
    int rd, scanbufpos = 0, scanbufsize = 0;
    char scanbuf[sizeof(struct v1_disk_dqblk)*SCANBUFSIZE];
    struct v1_disk_dqblk *ddqblk;
    struct dquot *dquot = get_empty_dquot();
    qid_t id = 0;

    memset(dquot, 0, sizeof(*dquot));
    dquot->dq_h = h;
    lseek(h->qh_fd, 0, SEEK_SET);
    for(id = 0; ; id++, scanbufpos++) {
        if (scanbufpos >= scanbufsize) {
            rd = read(h->qh_fd, scanbuf, sizeof(scanbuf));
            if (rd < 0 || rd % sizeof(struct v1_disk_dqblk))
                goto out_err;
            if (!rd)
                break;
            scanbufpos = 0;
            scanbufsize = rd / sizeof(struct v1_disk_dqblk);
        }
        ddqblk = ((struct v1_disk_dqblk *)scanbuf) + scanbufpos;
        if ((ddqblk->dq_b_ihardlimit | ddqblk->dq_b_isoftlimit |
            ddqblk->dq_b_bhardlimit | ddqblk->dq_b_bsoftlimit |
            ddqblk->dq_b_curblocks | ddqblk->dq_b_curinodes |
            ddqblk->dq_b_itime | ddqblk->dq_b_btime) == 0)
            continue;
        v1_disk2memdqblk(&dquot->dq_dqb, ddqblk);
        dquot->dq_id = id;
        if ((rd = process_dquot(dquot, NULL)) < 0) {
            free(dquot);
            return rd;
        }
    }
    if (!rd) { /* EOF? */
        free(dquot);
        return 0;
    }
}

```



```
}  
out_err:  
free(dquot);  
return -1; /* Some read errstr... */  
}
```

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Version 2, June 1991

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- Jon Sturgeon, bug hunter extraordinaire.

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- FSF France, for providing me with access to the GCC Compile Farm.
- SourceForge, for their excellent open source development platform.

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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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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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Version 2.1, February 1999

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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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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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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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1.152 rsyslog 7.4.4

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```
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```

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```
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under certain conditions; type `show c' for details.
```

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<html>

<head>

<title>Contributor Hall of Fame</title>

</head>

<body>

<h2>Contributor Hall of Fame</h2>

<p>This page is dedicated to all the people who helped make
rsyslog become a reality.

Unfortunately, I have begun this page in July of 2007, long after the project started. I try to extract all past contributor information from CVS, readme's, code etc - but I may fail. If you contributed and do not find yourself listed below, please accept my sincere apologies and drop me a line.</p>

<p>Please also note that I will do the checks for past contributors once the current very busy development phase is over, so it may take a few weeks to fully populate this file.</p>

<p>Contributors are listed in alphabetical order. If I know an Alias only, that alias is used as heading. Else the real name is used. If I know first and last name, they are listed in that order ("Rainer Gerhards" and not "Gerhards, Rainer"). I tend to be sparse with information on contributors, at least without their permission. If you contribute, let me know if I may include your email and/or web page address.</p>

<p>Thanks to all past, present and future contributors!</p>

<p>Rainer Gerhards
Project Initiator and Maintainer</p>

<h2>Bartosz Kuzma</h2>

provided many contributions before I started this list, so there are probably some missing

suggested the use of autotools in parallel to Peter Vrabec and helped me get it going

sent a number of patches (see cvs log for details)

<h2>Michel Samia</h2>

provided patch with regex functionality for filters on 2007-07-14, first

seen in 1.16.1

<h2>mildew@gmail.com</h2>

provided a large patch to enhance \$AllowedSender directive for IPv6 as well as DNS names

<h2>Peter Vrabec</h2>

provided many contributions before I started this list, so there are probably some missing
provided basic IPv6 support
convinced me to use autotools and provided the first working config for it
provided Rainer with ongoing support, inspiration and motivation

<h2>varmojfekoj@gmail.com</h2>

provided contributions before I started this list, so there are probably some missing
provided patches for several memory leaks

<p>Last Updated: 2007-07-19</p>
</body>
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Version 3, 29 June 2007

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1.153 sdparm 1.08

1.154 sed 4.2.2

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1.155 setserial 2.17

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```
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# Attempt to guess a canonical system name.
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```

```
timestamp='2012-08-14'
```

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#
# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# Originally written by Per Bothner. Please send patches (context
# diff format) to <config-patches@gnu.org> and include a ChangeLog
# entry.
#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# You can get the latest version of this script from:
# http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD

me=`echo "$0" | sed -e 's,./,,'`

usage="\
Usage: $0 [OPTION]

Output the configuration name of the system \"$me\" is run on.

Operation modes:
-h, --help      print this help, then exit
-t, --time-stamp print date of last modification, then exit
-v, --version   print version number, then exit

Report bugs and patches to <config-patches@gnu.org>."

version="\
GNU config.guess ($timestamp)

Originally written by Per Bothner.
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```


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help="

Try \"\$me --help' for more information."

```
# Parse command line
while test $# -gt 0 ; do
case $1 in
--time-stamp | --time* | -t )
    echo "$timestamp" ; exit ;;
--version | -v )
    echo "$version" ; exit ;;
--help | --h* | -h )
    echo "$usage"; exit ;;
-- )    # Stop option processing
    shift; break ;;
- ) # Use stdin as input.
    break ;;
-* )
    echo "$me: invalid option $1$help" >&2
    exit 1 ;;
* )
    break ;;
esac
done
```

```
if test $# != 0; then
echo "$me: too many arguments$help" >&2
exit 1
fi
```

```
trap 'exit 1' 1 2 15
```

```
# CC_FOR_BUILD -- compiler used by this script. Note that the use of a
# compiler to aid in system detection is discouraged as it requires
# temporary files to be created and, as you can see below, it is a
# headache to deal with in a portable fashion.
```

```
# Historically, `CC_FOR_BUILD' used to be named `HOST_CC'. We still
# use `HOST_CC' if defined, but it is deprecated.
```

```
# Portable tmp directory creation inspired by the Autoconf team.
```

```
set_cc_for_build='
trap "exitcode=\$?; (rm -f \$tmpfiles 2>/dev/null; rmdir \$tmp 2>/dev/null) && exit \$exitcode" 0 ;
trap "rm -f \$tmpfiles 2>/dev/null; rmdir \$tmp 2>/dev/null; exit 1" 1 2 13 15 ;
: ${TMPDIR=/tmp} ;
```



```

{ tmp=`(umask 077 && mktemp -d "$TMPDIR/cgXXXXXX") 2>/dev/null` && test -n "$tmp" && test -d "$tmp" ;
} ||
{ test -n "$RANDOM" && tmp=$TMPDIR/cg$$-$RANDOM && (umask 077 && mkdir $tmp) ; } ||
{ tmp=$TMPDIR/cg-$$ && (umask 077 && mkdir $tmp) && echo "Warning: creating insecure temp directory"
>&2 ; } ||
{ echo "$me: cannot create a temporary directory in $TMPDIR" >&2 ; exit 1 ; } ;
dummy=$tmp/dummy ;
tmpfiles="$dummy.c $dummy.o $dummy.rel $dummy" ;
case $CC_FOR_BUILD,$HOST_CC,$CC in
,,)  echo "int x;" > $dummy.c ;
for c in cc gcc c89 c99 ; do
    if ($c -c -o $dummy.o $dummy.c) >/dev/null 2>&1 ; then
        CC_FOR_BUILD="$c" ; break ;
    fi ;
done ;
if test x"$CC_FOR_BUILD" = x ; then
    CC_FOR_BUILD=no_compiler_found ;
fi
;;
,*) CC_FOR_BUILD=$CC ;;
,*,*) CC_FOR_BUILD=$HOST_CC ;;
esac ; set_cc_for_build='

# This is needed to find uname on a Pyramid OSx when run in the BSD universe.
# (ghazi@noc.rutgers.edu 1994-08-24)
if (test -f /.attbin/uname) >/dev/null 2>&1 ; then
    PATH=$PATH:/.attbin ; export PATH
fi

UNAME_MACHINE=`(uname -m) 2>/dev/null` || UNAME_MACHINE=unknown
UNAME_RELEASE=`(uname -r) 2>/dev/null` || UNAME_RELEASE=unknown
UNAME_SYSTEM=`(uname -s) 2>/dev/null` || UNAME_SYSTEM=unknown
UNAME_VERSION=`(uname -v) 2>/dev/null` || UNAME_VERSION=unknown

# Detect uclibc systems.

LIBC="gnu"
if [ -f /usr/include/bits/uClibc_config.h ]
then
    LIBC=uclibc
    if [ -n `grep "#define __UCLIBC_CONFIG_VERSION__" /usr/include/bits/uClibc_config.h` ]
    then
        UCLIBC_SUBVER=`sed -n "/#define __UCLIBC_CONFIG_VERSION__ /s///p" /usr/include/bits/uClibc_config.h`
        LIBC=$LIBC$UCLIBC_SUBVER
    fi
fi

# Note: order is significant - the case branches are not exclusive.

```



```

case "${UNAME_MACHINE}:${UNAME_SYSTEM}:${UNAME_RELEASE}:${UNAME_VERSION}" in
    *:NetBSD:*)
        # NetBSD (nbsd) targets should (where applicable) match one or
        # more of the tuples: *-*-netbsdelf*, *-*-netbsdout*,
        # *-*-netbsdcoff* and *-*-netbsd*. For targets that recently
        # switched to ELF, *-*-netbsd* would select the old
        # object file format. This provides both forward
        # compatibility and a consistent mechanism for selecting the
        # object file format.
        #
        # Note: NetBSD doesn't particularly care about the vendor
        # portion of the name. We always set it to "unknown".
        sysctl="sysctl -n hw.machine_arch"
        UNAME_MACHINE_ARCH=`(/sbin/$sysctl 2>/dev/null || \
            /usr/sbin/$sysctl 2>/dev/null || echo unknown)`
        case "${UNAME_MACHINE_ARCH}" in
            armeb) machine=armeb-unknown ;;
            arm*) machine=arm-unknown ;;
            sh3el) machine=shl-unknown ;;
            sh3eb) machine=sh-unknown ;;
            sh5el) machine=sh5le-unknown ;;
            *) machine=${UNAME_MACHINE_ARCH}-unknown ;;
        esac
        # The Operating System including object format, if it has switched
        # to ELF recently, or will in the future.
        case "${UNAME_MACHINE_ARCH}" in
            arm*|i386|m68k|ns32k|sh3*|sparc|vax)
                eval $set_cc_for_build
                if echo __ELF__ | $CC_FOR_BUILD -E - 2>/dev/null \
                    | grep -q __ELF__
                then
                    # Once all utilities can be ECOFF (netbsdcoff) or a.out (netbsdout).
                    # Return netbsd for either. FIX?
                    os=netbsd
                else
                    os=netbsdelf
                fi
                ;;
            *)
                os=netbsd
                ;;
        esac
        # The OS release
        # Debian GNU/NetBSD machines have a different userland, and
        # thus, need a distinct triplet. However, they do not need
        # kernel version information, so it can be replaced with a
        # suitable tag, in the style of linux-gnu.

```



```

case "${UNAME_VERSION}" in
    Debian*)
        release='-gnu'
        ;;
    *)
        release=`echo ${UNAME_RELEASE}|sed -e 's/[-_].*/./'`
        ;;
esac
# Since CPU_TYPE-MANUFACTURER-KERNEL-OPERATING_SYSTEM:
# contains redundant information, the shorter form:
# CPU_TYPE-MANUFACTURER-OPERATING_SYSTEM is used.
echo "${machine}-${os}${release}"
exit ;;

*:Bitrig:*)
UNAME_MACHINE_ARCH=`arch | sed 's/Bitrig.//'^
echo ${UNAME_MACHINE_ARCH}-unknown-bitrig${UNAME_RELEASE}
exit ;;

*:OpenBSD:*)
UNAME_MACHINE_ARCH=`arch | sed 's/OpenBSD.//'^
echo ${UNAME_MACHINE_ARCH}-unknown-openbsd${UNAME_RELEASE}
exit ;;

*:ekkoBSD:*)
echo ${UNAME_MACHINE}-unknown-ekkobsd${UNAME_RELEASE}
exit ;;

*:SolidBSD:*)
echo ${UNAME_MACHINE}-unknown-solidbsd${UNAME_RELEASE}
exit ;;

macppc:MirBSD:*)
echo powerpc-unknown-mirbsd${UNAME_RELEASE}
exit ;;

*:MirBSD:*)
echo ${UNAME_MACHINE}-unknown-mirbsd${UNAME_RELEASE}
exit ;;

alpha:OSF1:*)
case $UNAME_RELEASE in
*4.0)
    UNAME_RELEASE=`/usr/sbin/sizer -v | awk '{print $3}'`
    ;;
*5.*)
    UNAME_RELEASE=`/usr/sbin/sizer -v | awk '{print $4}'`
    ;;
esac
# According to Compaq, /usr/sbin/psrinfo has been available on
# OSF/1 and Tru64 systems produced since 1995. I hope that
# covers most systems running today. This code pipes the CPU
# types through head -n 1, so we only detect the type of CPU 0.
ALPHA_CPU_TYPE=`/usr/sbin/psrinfo -v | sed -n -e 's/^ The alpha \(.*) processor.*$/1/p' | head -n 1`
case "$ALPHA_CPU_TYPE" in

```



```

"EV4 (21064)")
UNAME_MACHINE="alpha" ;;
"EV4.5 (21064)")
UNAME_MACHINE="alpha" ;;
"LCA4 (21066/21068)")
UNAME_MACHINE="alpha" ;;
"EV5 (21164)")
UNAME_MACHINE="alphaev5" ;;
"EV5.6 (21164A)")
UNAME_MACHINE="alphaev56" ;;
"EV5.6 (21164PC)")
UNAME_MACHINE="alphapca56" ;;
"EV5.7 (21164PC)")
UNAME_MACHINE="alphapca57" ;;
"EV6 (21264)")
UNAME_MACHINE="alphaev6" ;;
"EV6.7 (21264A)")
UNAME_MACHINE="alphaev67" ;;
"EV6.8CB (21264C)")
UNAME_MACHINE="alphaev68" ;;
"EV6.8AL (21264B)")
UNAME_MACHINE="alphaev68" ;;
"EV6.8CX (21264D)")
UNAME_MACHINE="alphaev68" ;;
"EV6.9A (21264/EV69A)")
UNAME_MACHINE="alphaev69" ;;
"EV7 (21364)")
UNAME_MACHINE="alphaev7" ;;
"EV7.9 (21364A)")
UNAME_MACHINE="alphaev79" ;;
esac
# A Pn.n version is a patched version.
# A Vn.n version is a released version.
# A Tn.n version is a released field test version.
# A Xn.n version is an unreleased experimental baselevel.
# 1.2 uses "1.2" for uname -r.
echo ${UNAME_MACHINE}-dec-osf echo ${UNAME_RELEASE} | sed -e 's/^[PVTX]//' | tr
'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz'
# Reset EXIT trap before exiting to avoid spurious non-zero exit code.
exitcode=$?
trap " 0
exit $exitcode ;;
Alpha\ *:Windows_NT*:* )
# How do we know it's Interix rather than the generic POSIX subsystem?
# Should we change UNAME_MACHINE based on the output of uname instead
# of the specific Alpha model?
echo alpha-pc-interix
exit ;;

```



```

21064:Windows_NT:50:3)
echo alpha-dec-winnt3.5
exit ;;
Amiga*:UNIX_System_V:4.0:*)
echo m68k-unknown-sysv4
exit ;;
*:[Aa]miga[Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-amigaos
exit ;;
*:[Mm]orph[Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-morphos
exit ;;
*:OS/390:*:*)
echo i370-ibm-openedition
exit ;;
*:z/VM:*:*)
echo s390-ibm-zvmoe
exit ;;
*:OS400:*:*)
echo powerpc-ibm-os400
exit ;;
arm:RISC*:1.[012]*:*|arm:riscix:1.[012]*:*)
echo arm-acorn-riscix${UNAME_RELEASE}
exit ;;
arm:riscos:*::*|arm:RISCOS:*:*)
echo arm-unknown-riscos
exit ;;
SR2?01:HI-UX/MPP:*:* | SR8000:HI-UX/MPP:*:*)
echo hppa1.1-hitachi-hiuxmpp
exit ;;
Pyramid*:OSx*:*:* | MIS*:OSx*:*:* | MIS*:SMP_DC-OSx*:*:*)
# akee@wpdis03.wpafb.af.mil (Earle F. Ake) contributed MIS and NILE.
if test "`(bin/universe) 2>/dev/null`" = att ; then
echo pyramid-pyramid-sysv3
else
echo pyramid-pyramid-bsd
fi
exit ;;
NILE*:*:*:dcosx)
echo pyramid-pyramid-svr4
exit ;;
DRS?6000:unix:4.0:6*)
echo sparc-icl-nx6
exit ;;
DRS?6000:UNIX_SV:4.2*:7* | DRS?6000:isis:4.2*:7*)
case `usr/bin/uname -p` in
sparc) echo sparc-icl-nx7; exit ;;
esac ;;

```



```

s390x:SunOS:*.*)
echo ${UNAME_MACHINE}-ibm-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
sun4H:SunOS:5.*.*)
echo sparc-hal-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
sun4*:SunOS:5.*:* | tadpole*:SunOS:5.*.*)
echo sparc-sun-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
i86pc:AuroraUX:5.*:* | i86xen:AuroraUX:5.*.*)
echo i386-pc-auroraux${UNAME_RELEASE}
exit ;;
i86pc:SunOS:5.*:* | i86xen:SunOS:5.*.*)
eval $set_cc_for_build
SUN_ARCH="i386"
# If there is a compiler, see if it is configured for 64-bit objects.
# Note that the Sun cc does not turn __LP64__ into 1 like gcc does.
# This test works for both compilers.
if [ "$CC_FOR_BUILD" != 'no_compiler_found' ]; then
    if (echo '#ifdef __amd64'; echo IS_64BIT_ARCH; echo '#endif') | \
(CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) | \
grep IS_64BIT_ARCH >/dev/null
    then
        SUN_ARCH="x86_64"
    fi
fi
echo ${SUN_ARCH}-pc-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
sun4*:SunOS:6.*.*)
# According to config.sub, this is the proper way to canonicalize
# SunOS6. Hard to guess exactly what SunOS6 will be like, but
# it's likely to be more like Solaris than SunOS4.
echo sparc-sun-solaris3`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
sun4*:SunOS:*.*)
case `"/usr/bin/arch -k`" in
    Series*|S4*)
        UNAME_RELEASE=`uname -v`
        ;;
esac
# Japanese Language versions have a version number like `4.1.3-JL'.
echo sparc-sun-sunos`echo ${UNAME_RELEASE}|sed -e 's/-/_/'^
exit ;;
sun3*:SunOS:*.*)
echo m68k-sun-sunos${UNAME_RELEASE}
exit ;;
sun*:*:4.2BSD:*)
UNAME_RELEASE=`(sed 1q /etc/motd | awk '{print substr($5,1,3)}') 2>/dev/null`

```



```

test "x${UNAME_RELEASE}" = "x" && UNAME_RELEASE=3
case "`/bin/arch`" in
    sun3)
        echo m68k-sun-sunos${UNAME_RELEASE}
    ;;
    sun4)
        echo sparc-sun-sunos${UNAME_RELEASE}
    ;;
esac
exit ;;
aushp:SunOS:*)
echo sparc-auspex-sunos${UNAME_RELEASE}
exit ;;
# The situation for MiNT is a little confusing. The machine name
# can be virtually everything (everything which is not
# "atarist" or "atariste" at least should have a processor
# > m68000). The system name ranges from "MiNT" over "FreeMiNT"
# to the lowercase version "mint" (or "freemint"). Finally
# the system name "TOS" denotes a system which is actually not
# MiNT. But MiNT is downward compatible to TOS, so this should
# be no problem.
atarist[e]:*MiNT:* | atarist[e]:*mint:* | atarist[e]:*TOS:*)
echo m68k-atari-mint${UNAME_RELEASE}
exit ;;
atari:*MiNT:* | atari:*mint:* | atarist[e]:*TOS:*)
echo m68k-atari-mint${UNAME_RELEASE}
exit ;;
*falcon:*MiNT:* | *falcon:*mint:* | *falcon:*TOS:*)
echo m68k-atari-mint${UNAME_RELEASE}
exit ;;
milan:*MiNT:* | milan:*mint:* | *milan:*TOS:*)
echo m68k-milan-mint${UNAME_RELEASE}
exit ;;
hades:*MiNT:* | hades:*mint:* | *hades:*TOS:*)
echo m68k-hades-mint${UNAME_RELEASE}
exit ;;
*:MiNT:* | *:mint:* | *:TOS:*)
echo m68k-unknown-mint${UNAME_RELEASE}
exit ;;
m68k:machten:*)
echo m68k-apple-machten${UNAME_RELEASE}
exit ;;
powerpc:machten:*)
echo powerpc-apple-machten${UNAME_RELEASE}
exit ;;
RISC*:Mach:*)
echo mips-dec-mach_bsd4.3
exit ;;

```



```

RISC*:ULTRIX:*.*)
echo mips-dec-ultrix${UNAME_RELEASE}
exit ;;
VAX*:ULTRIX:*.*)
echo vax-dec-ultrix${UNAME_RELEASE}
exit ;;
2020:CLIX:*. * | 2430:CLIX:*.*)
echo clipper-intergraph-clix${UNAME_RELEASE}
exit ;;
mips:*.*:UMIPS | mips:*.*:RISCos)
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#ifdef __cplusplus
#include <stdio.h> /* for printf() prototype */
int main (int argc, char *argv[]) {
#else
int main (argc, argv) int argc; char *argv[]; {
#endif
#if defined (host_mips) && defined (MIPSEB)
#if defined (SYSTYPE_SYSV)
printf ("mips-mips-riscos%ssysv\n", argv[1]); exit (0);
#endif
#if defined (SYSTYPE_SVR4)
printf ("mips-mips-riscos%ssvr4\n", argv[1]); exit (0);
#endif
#if defined (SYSTYPE_BSD43) || defined (SYSTYPE_BSD)
printf ("mips-mips-riscos%bsbd\n", argv[1]); exit (0);
#endif
#endif
exit (-1);
}
EOF
$CC_FOR_BUILD -o $dummy $dummy.c &&
dummyarg=`echo "${UNAME_RELEASE}" | sed -n 's/^([0-9]*).*\1/p` &&
SYSTEM_NAME=`$dummy $dummyarg` &&
{ echo "$SYSTEM_NAME"; exit; }
echo mips-mips-riscos${UNAME_RELEASE}
exit ;;
Motorola:PowerMAX_OS:*.*)
echo powerpc-motorola-powermax
exit ;;
Motorola:*.4.3:PL8-*)
echo powerpc-harris-powermax
exit ;;
Night_Hawk:*.*:PowerMAX_OS | Synergy:PowerMAX_OS:*.*)
echo powerpc-harris-powermax
exit ;;
Night_Hawk:Power_UNIX:*.*)

```



```

echo powerpc-harris-powerunix
exit ;;
    m88k:CX/UX:7*:* )
echo m88k-harris-cxux7
exit ;;
    m88k:*.4*:R4*)
echo m88k-motorola-sysv4
exit ;;
    m88k:*.3*:R3*)
echo m88k-motorola-sysv3
exit ;;
    AViiON:dgux:*:*)
# DG/UX returns AViiON for all architectures
UNAME_PROCESSOR=`/usr/bin/uname -p`
if [ $UNAME_PROCESSOR = mc88100 ] || [ $UNAME_PROCESSOR = mc88110 ]
then
    if [ ${TARGET_BINARY_INTERFACE}x = m88kdguxelfx ] || \
        [ ${TARGET_BINARY_INTERFACE}x = x ]
    then
        echo m88k-dg-dgux${UNAME_RELEASE}
    else
        echo m88k-dg-dguxbcs${UNAME_RELEASE}
    fi
else
    echo i586-dg-dgux${UNAME_RELEASE}
fi
exit ;;
    M88*:DolphinOS:*:*) # DolphinOS (SVR3)
echo m88k-dolphin-sysv3
exit ;;
    M88*:*:R3*:* )
# Delta 88k system running SVR3
echo m88k-motorola-sysv3
exit ;;
    XD88*:*:R3*:* ) # Tektronix XD88 system running UTekV (SVR3)
echo m88k-tektronix-sysv3
exit ;;
    Tek43[0-9][0-9]:UTek:*:*) # Tektronix 4300 system running UTek (BSD)
echo m68k-tektronix-bsd
exit ;;
    *:IRIX*:*:*)
echo mips-sgi-irix`echo ${UNAME_RELEASE}|sed -e 's/-/_/g`
exit ;;
    ??????:AIX?:[12].1:2) # AIX 2.2.1 or AIX 2.1.1 is RT/PC AIX.
echo romp-ibm-aix # uname -m gives an 8 hex-code CPU id
exit ;; # Note that: echo ""uname -s`" gives 'AIX '
    i*86:AIX:*:*)
echo i386-ibm-aix

```



```

exit ;;
    ia64:AIX:*)
if [ -x /usr/bin/oslevel ] ; then
    IBM_REV=`/usr/bin/oslevel`
else
    IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${UNAME_MACHINE}-ibm-aix${IBM_REV}
exit ;;
    *:AIX:2:3)
if grep bos325 /usr/include/stdio.h >/dev/null 2>&1; then
    eval $set_cc_for_build
    sed 's/^ //' << EOF >$dummy.c
#include <sys/systemcfg.h>

main()
{
    if (!__power_pc())
        exit(1);
    puts("powerpc-ibm-aix3.2.5");
    exit(0);
}
EOF
if $CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy`
then
    echo "$SYSTEM_NAME"
else
    echo rs6000-ibm-aix3.2.5
fi
elif grep bos324 /usr/include/stdio.h >/dev/null 2>&1; then
    echo rs6000-ibm-aix3.2.4
else
    echo rs6000-ibm-aix3.2
fi
exit ;;
    *:AIX:*:4567))
IBM_CPU_ID=`/usr/sbin/lssdev -C -c processor -S available | sed 1q | awk '{ print $1 }'`
if /usr/sbin/lssattr -El ${IBM_CPU_ID} | grep ' POWER' >/dev/null 2>&1; then
    IBM_ARCH=rs6000
else
    IBM_ARCH=powerpc
fi
if [ -x /usr/bin/oslevel ] ; then
    IBM_REV=`/usr/bin/oslevel`
else
    IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${IBM_ARCH}-ibm-aix${IBM_REV}

```



```

exit ;;
*:AIX:*)
echo rs6000-ibm-aix
exit ;;
ibmrt:4.4BSD:*)romp-ibm:BSD:*)
echo romp-ibm-bsd4.4
exit ;;
ibmrt:*BSD:*)romp-ibm:BSD:*)      # covers RT/PC BSD and
echo romp-ibm-bsd${UNAME_RELEASE} # 4.3 with uname added to
exit ;;                          # report: romp-ibm BSD 4.3
*:BOSX:*)
echo rs6000-bull-bosx
exit ;;
DPX/2?00:B.O.S.:*)
echo m68k-bull-sysv3
exit ;;
9000/[34]?:4.3bsd:1.*)
echo m68k-hp-bsd
exit ;;
hp300:4.4BSD:* | 9000/[34]?:4.3bsd:2.*)
echo m68k-hp-bsd4.4
exit ;;
9000/[34678]?:HP-UX:*)
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*.[0B]*/'^
case "${UNAME_MACHINE}" in
    9000/31? )      HP_ARCH=m68000 ;;
    9000/[34]?? )   HP_ARCH=m68k ;;
    9000/[678][0-9][0-9])
if [ -x /usr/bin/getconf ]; then
    sc_cpu_version=`/usr/bin/getconf SC_CPU_VERSION 2>/dev/null`
    sc_kernel_bits=`/usr/bin/getconf SC_KERNEL_BITS 2>/dev/null`
    case "${sc_cpu_version}" in
        523) HP_ARCH="hppa1.0" ;; # CPU_PA_RISC1_0
        528) HP_ARCH="hppa1.1" ;; # CPU_PA_RISC1_1
        532)      # CPU_PA_RISC2_0
    case "${sc_kernel_bits}" in
        32) HP_ARCH="hppa2.0n" ;;
        64) HP_ARCH="hppa2.0w" ;;
        ") HP_ARCH="hppa2.0" ;; # HP-UX 10.20
    esac ;;
    esac
fi
if [ "${HP_ARCH}" = "" ]; then
    eval $set_cc_for_build
    sed 's/^ //' << EOF >$dummy.c

#define _HPUX_SOURCE
#include <stdlib.h>

```



```

#include <unistd.h>

int main ()
{
#ifdef _SC_KERNEL_BITS
    long bits = sysconf(_SC_KERNEL_BITS);
#endif
    long cpu = sysconf (_SC_CPU_VERSION);

    switch (cpu)
    {
    case CPU_PA_RISC1_0: puts ("hppa1.0"); break;
    case CPU_PA_RISC1_1: puts ("hppa1.1"); break;
    case CPU_PA_RISC2_0:
#ifdef _SC_KERNEL_BITS
        switch (bits)
        {
        case 64: puts ("hppa2.0w"); break;
        case 32: puts ("hppa2.0n"); break;
        default: puts ("hppa2.0"); break;
        } break;
#else /* !defined(_SC_KERNEL_BITS) */
        puts ("hppa2.0"); break;
#endif
    default: puts ("hppa1.0"); break;
    }
    exit (0);
}
EOF
(CCOPTS= $CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null) && HP_ARCH=`$dummy`
test -z "$HP_ARCH" && HP_ARCH=hppa
fi ;;
esac
if [ ${HP_ARCH} = "hppa2.0w" ]
then
    eval $set_cc_for_build

    # hppa2.0w-hp-hpux* has a 64-bit kernel and a compiler generating
    # 32-bit code. hppa64-hp-hpux* has the same kernel and a compiler
    # generating 64-bit code. GNU and HP use different nomenclature:
    #
    # $ CC_FOR_BUILD=cc ./config.guess
    # => hppa2.0w-hp-hpux11.23
    # $ CC_FOR_BUILD="cc +DA2.0w" ./config.guess
    # => hppa64-hp-hpux11.23

    if echo __LP64__ | (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) |
    grep -q __LP64__

```



```

    then
HP_ARCH="hppa2.0w"
    else
HP_ARCH="hppa64"
    fi
fi
echo ${HP_ARCH}-hp-hpux${HPUX_REV}
exit ;;
    ia64:HP-UX:*.*)
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*.[0B]*//'^
echo ia64-hp-hpux${HPUX_REV}
exit ;;
    3050*:HI-UX:*.*)
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#include <unistd.h>
int
main ()
{
    long cpu = sysconf (_SC_CPU_VERSION);
    /* The order matters, because CPU_IS_HP_MC68K erroneously returns
       true for CPU_PA_RISC1_0. CPU_IS_PA_RISC returns correct
       results, however. */
    if (CPU_IS_PA_RISC (cpu))
    {
        switch (cpu)
        {
            case CPU_PA_RISC1_0: puts ("hppa1.0-hitachi-hiuxwe2"); break;
            case CPU_PA_RISC1_1: puts ("hppa1.1-hitachi-hiuxwe2"); break;
            case CPU_PA_RISC2_0: puts ("hppa2.0-hitachi-hiuxwe2"); break;
            default: puts ("hppa-hitachi-hiuxwe2"); break;
        }
    }
    else if (CPU_IS_HP_MC68K (cpu))
        puts ("m68k-hitachi-hiuxwe2");
    else puts ("unknown-hitachi-hiuxwe2");
    exit (0);
}
EOF
$CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; }
echo unknown-hitachi-hiuxwe2
exit ;;
    9000/7?:4.3bsd:*.*)
echo hppa1.1-hp-bsd
exit ;;
    9000/8?:4.3bsd:*.*)
echo hppa1.0-hp-bsd

```



```

exit ;;
*9??:MPE/iX:.* | *3000*:MPE/iX:.* )
echo hppa1.0-hp-mpeix
exit ;;
hp7?:OSF1:.* | hp8?[79]:OSF1:.* )
echo hppa1.1-hp-osf
exit ;;
hp8?:OSF1:.* )
echo hppa1.0-hp-osf
exit ;;
i*86:OSF1:.* )
if [ -x /usr/sbin/sysversion ] ; then
    echo ${UNAME_MACHINE}-unknown-osf1mk
else
    echo ${UNAME_MACHINE}-unknown-osf1
fi
exit ;;
parisc*:Lites:.* )
echo hppa1.1-hp-lites
exit ;;
C1*:ConvexOS:.* | convex:ConvexOS:C1:.* )
echo c1-convex-bsd
exit ;;
C2*:ConvexOS:.* | convex:ConvexOS:C2:.* )
if getsysinfo -f scalar_acc
then echo c32-convex-bsd
else echo c2-convex-bsd
fi
exit ;;
C34*:ConvexOS:.* | convex:ConvexOS:C34:.* )
echo c34-convex-bsd
exit ;;
C38*:ConvexOS:.* | convex:ConvexOS:C38:.* )
echo c38-convex-bsd
exit ;;
C4*:ConvexOS:.* | convex:ConvexOS:C4:.* )
echo c4-convex-bsd
exit ;;
CRAY*Y-MP:.* )
echo ymp-cray-unicos${UNAME_RELEASE} | sed -e 's/\.[^.]*/.X/'
exit ;;
CRAY*[A-Z]90:.* )
echo ${UNAME_MACHINE}-cray-unicos${UNAME_RELEASE} \
| sed -e 's/CRAY.*([A-Z]90)\^1/' \
    -e y/ABCDEFGHIJKLMNOPQRSTUVWXYZ/abcdefghijklmnopqrstuvwxyz/ \
    -e 's/\.[^.]*/.X/'
exit ;;
CRAY*TS:.* )

```



```

echo t90-cray-unicos${UNAME_RELEASE} | sed -e 's/.[^.]*/.X/'
exit ;;
    CRAY*T3E:*.:*.)
echo alphaev5-cray-unicosmk${UNAME_RELEASE} | sed -e 's/.[^.]*/.X/'
exit ;;
    CRAY*SV1:*.:*.)
echo sv1-cray-unicos${UNAME_RELEASE} | sed -e 's/.[^.]*/.X/'
exit ;;
    *:UNICOS/mp:*.:*.)
echo craynv-cray-unicosmp${UNAME_RELEASE} | sed -e 's/.[^.]*/.X/'
exit ;;
    F30[01]:UNIX_System_V:*.:* | F700:UNIX_System_V:*.:*.)
FUJITSU_PROC=`uname -m | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz'`
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e
's/[/]/'`
FUJITSU_REL=`echo ${UNAME_RELEASE} | sed -e 's/[/]/'`
echo "${FUJITSU_PROC}-fujitsu-${FUJITSU_SYS}${FUJITSU_REL}"
exit ;;
    5000:UNIX_System_V:4:*.:*.)
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e
's/[/]/'`
FUJITSU_REL=`echo ${UNAME_RELEASE} | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ'
'abcdefghijklmnopqrstuvwxyz' | sed -e 's/[/]/'`
echo "sparc-fujitsu-${FUJITSU_SYS}${FUJITSU_REL}"
exit ;;
    i*86:BSD/386:*.:* | i*86:BSD/OS:*.:* | *:Ascend\ Embedded/OS:*.:*.)
echo ${UNAME_MACHINE}-pc-bsdi${UNAME_RELEASE}
exit ;;
    sparc*:BSD/OS:*.:*.)
echo sparc-unknown-bsdi${UNAME_RELEASE}
exit ;;
    *:BSD/OS:*.:*.)
echo ${UNAME_MACHINE}-unknown-bsdi${UNAME_RELEASE}
exit ;;
    *:FreeBSD:*.:*.)
UNAME_PROCESSOR=`/usr/bin/uname -p`
case ${UNAME_PROCESSOR} in
    amd64)
echo x86_64-unknown-freebsd`echo ${UNAME_RELEASE}|sed -e 's/[-(].*//` ;;
    *)
echo ${UNAME_PROCESSOR}-unknown-freebsd`echo ${UNAME_RELEASE}|sed -e 's/[-(].*//` ;;
esac
exit ;;
    i*:CYGWIN:*.:*.)
echo ${UNAME_MACHINE}-pc-cygwin
exit ;;
    *:MINGW64:*.:*.)
echo ${UNAME_MACHINE}-pc-mingw64

```



```

exit ;;
*:MINGW*.*)
echo ${UNAME_MACHINE}-pc-mingw32
exit ;;
i*:MSYS*.*)
echo ${UNAME_MACHINE}-pc-msys
exit ;;
i*:windows32*.*)
# uname -m includes "-pc" on this system.
echo ${UNAME_MACHINE}-mingw32
exit ;;
i*:PW*.*)
echo ${UNAME_MACHINE}-pc-pw32
exit ;;
*:Interix*.*)
case ${UNAME_MACHINE} in
    x86)
        echo i586-pc-interix${UNAME_RELEASE}
        exit ;;
        authenticamd | genuineintel | EM64T)
            echo x86_64-unknown-interix${UNAME_RELEASE}
            exit ;;
        IA64)
            echo ia64-unknown-interix${UNAME_RELEASE}
            exit ;;
    esac ;;
    [345]86:Windows_95:* | [345]86:Windows_98:* | [345]86:Windows_NT:*)
        echo i${UNAME_MACHINE}-pc-mks
        exit ;;
        8664:Windows_NT:*)
            echo x86_64-pc-mks
            exit ;;
        i*:Windows_NT*:* | Pentium*:Windows_NT*:* )
            # How do we know it's Interix rather than the generic POSIX subsystem?
            # It also conflicts with pre-2.0 versions of AT&T UWIN. Should we
            # UNAME_MACHINE based on the output of uname instead of i386?
            echo i586-pc-interix
            exit ;;
        i*:UWIN*:* )
            echo ${UNAME_MACHINE}-pc-uwin
            exit ;;
        amd64:CYGWIN*:*:* | x86_64:CYGWIN*:*:* )
            echo x86_64-unknown-cygwin
            exit ;;
        p*:CYGWIN*:* )
            echo powerpcle-unknown-cygwin
            exit ;;
        prep*:SunOS:5.*:*)

```



```

echo powerpcle-unknown-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^.]*/'^
exit ;;
*:GNU:*.*)
# the GNU system
echo `echo ${UNAME_MACHINE}|sed -e 's,[-/].*$,^-unknown-gnu`echo ${UNAME_RELEASE}|sed -e 's,/.*$,,^
exit ;;
*:GNU/*:*.*)
# other systems with GNU libc and userland
echo ${UNAME_MACHINE}-unknown-`echo ${UNAME_SYSTEM} | sed 's,^[^/]*/,,' | tr '[A-Z]' '[a-z]`echo
${UNAME_RELEASE}|sed -e 's/[-().]*/^'-gnu
exit ;;
i*86:Minix:*.*)
echo ${UNAME_MACHINE}-pc-minix
exit ;;
aarch64:Linux:*.*)
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
aarch64_be:Linux:*.*)
UNAME_MACHINE=aarch64_be
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
alpha:Linux:*.*)
case `sed -n '/^cpu model/s/^.*: \(.*)/1/p' < /proc/cpuinfo` in
EV5) UNAME_MACHINE=alphaev5 ;;
EV56) UNAME_MACHINE=alphaev56 ;;
PCA56) UNAME_MACHINE=alphapca56 ;;
PCA57) UNAME_MACHINE=alphapca56 ;;
EV6) UNAME_MACHINE=alphaev6 ;;
EV67) UNAME_MACHINE=alphaev67 ;;
EV68*) UNAME_MACHINE=alphaev68 ;;
esac
objdump --private-headers /bin/sh | grep -q ld.so.1
if test "$?" = 0 ; then LIBC="gnulibc1" ; else LIBC="" ; fi
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arm*:Linux:*.*)
eval $set_cc_for_build
if echo __ARM_EABI__ | $CC_FOR_BUILD -E - 2>/dev/null \
| grep -q __ARM_EABI__
then
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
else
if echo __ARM_PCS_VFP | $CC_FOR_BUILD -E - 2>/dev/null \
| grep -q __ARM_PCS_VFP
then
echo ${UNAME_MACHINE}-unknown-linux-gnueabi
else
echo ${UNAME_MACHINE}-unknown-linux-gnueabihf

```



```

fi
fi
exit ;;
avr32*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
cris:Linux:*:*)
echo ${UNAME_MACHINE}-axis-linux-${LIBC}
exit ;;
crisv32:Linux:*:*)
echo ${UNAME_MACHINE}-axis-linux-${LIBC}
exit ;;
frv:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
hexagon:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
i*86:Linux:*:*)
LIBC=gnu
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#ifdef __dietlibc__
LIBC=dietlibc
#endif
EOF
eval ` $CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^LIBC'`
echo "${UNAME_MACHINE}-pc-linux-${LIBC}"
exit ;;
ia64:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
m32r*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
m68*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
mips:Linux:*:*) | mips64:Linux:*:*)
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#undef CPU
#undef ${UNAME_MACHINE}
#undef ${UNAME_MACHINE}el
#if defined(__MIPSEL__) || defined(__MIPSEL) || defined(_MIPSEL) || defined(MIPSEL)
CPU=${UNAME_MACHINE}el
#else
#if defined(__MIPSEB__) || defined(__MIPSEB) || defined(_MIPSEB) || defined(MIPSEB)

```



```

CPU=${UNAME_MACHINE}
#else
CPU=
#endif
#endif
EOF
eval ` $CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^CPU`
test x"${CPU}" != x && { echo "${CPU}-unknown-linux-${LIBC}"; exit; }
;;
    or32:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    padre:Linux:*)
echo sparc-unknown-linux-${LIBC}
exit ;;
    parisc64:Linux:* | hppa64:Linux:*)
echo hppa64-unknown-linux-${LIBC}
exit ;;
    parisc:Linux:* | hppa:Linux:*)
# Look for CPU level
case `grep '^cpu[^a-z]*:' /proc/cpuinfo 2>/dev/null | cut -d' ' -f2` in
    PA7*) echo hppa1.1-unknown-linux-${LIBC} ;;
    PA8*) echo hppa2.0-unknown-linux-${LIBC} ;;
    *)   echo hppa-unknown-linux-${LIBC} ;;
esac
exit ;;
    ppc64:Linux:*)
echo powerpc64-unknown-linux-${LIBC}
exit ;;
    ppc:Linux:*)
echo powerpc-unknown-linux-${LIBC}
exit ;;
    s390:Linux:* | s390x:Linux:*)
echo ${UNAME_MACHINE}-ibm-linux
exit ;;
    sh64*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    sh*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    sparc:Linux:* | sparc64:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    tile*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    vax:Linux:*)

```



```

echo ${UNAME_MACHINE}-dec-linux-${LIBC}
exit ;;
x86_64:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
xtensa*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
i*86:DYNIX/ptx:4*:*)
# ptx 4.0 does uname -s correctly, with DYNIX/ptx in there.
# earlier versions are messed up and put the nodename in both
# sysname and nodename.
echo i386-sequent-sysv4
exit ;;
i*86:UNIX_SV:4.2MP:2.*)
# Unixware is an offshoot of SVR4, but it has its own version
# number series starting with 2...
# I am not positive that other SVR4 systems won't match this,
# I just have to hope. -- rms.
# Use sysv4.2uw... so that sysv4* matches it.
echo ${UNAME_MACHINE}-pc-sysv4.2uw${UNAME_VERSION}
exit ;;
i*86:OS/2:*:*)
# If we were able to find `uname', then EMX Unix compatibility
# is probably installed.
echo ${UNAME_MACHINE}-pc-os2-emx
exit ;;
i*86:XTS-300:*:STOP)
echo ${UNAME_MACHINE}-unknown-stop
exit ;;
i*86:atheos:*:*)
echo ${UNAME_MACHINE}-unknown-atheos
exit ;;
i*86:syllable:*:*)
echo ${UNAME_MACHINE}-pc-syllable
exit ;;
i*86:LynxOS:2.*:* | i*86:LynxOS:3.[01]*:* | i*86:LynxOS:4.[02]*:*)
echo i386-unknown-lynxos${UNAME_RELEASE}
exit ;;
i*86:*DOS:*:*)
echo ${UNAME_MACHINE}-pc-msdosdjgpp
exit ;;
i*86:*.4.*:* | i*86:SYSTEM_V:4.*:*)
UNAME_REL=`echo ${UNAME_RELEASE} | sed 's/\MP$//'`
if grep Novell /usr/include/link.h >/dev/null 2>/dev/null; then
echo ${UNAME_MACHINE}-univel-sysv${UNAME_REL}
else
echo ${UNAME_MACHINE}-pc-sysv${UNAME_REL}

```



```

fi
exit ;;
i*86:*.5:[678]*)
# UnixWare 7.x, OpenUNIX and OpenServer 6.
case ` /bin/uname -X | grep "^Machine"` in
    *486*)    UNAME_MACHINE=i486 ;;
    *Pentium)    UNAME_MACHINE=i586 ;;
    *Pent*|*Celeron) UNAME_MACHINE=i686 ;;
esac
echo ${UNAME_MACHINE}-unknown-
sysv${UNAME_RELEASE}${UNAME_SYSTEM}${UNAME_VERSION}
exit ;;
i*86:*.3.2:*)
if test -f /usr/options/cb.name; then
    UNAME_REL=`sed -n 's/.*Version //p' </usr/options/cb.name`
    echo ${UNAME_MACHINE}-pc-isc$UNAME_REL
elif /bin/uname -X 2>/dev/null >/dev/null ; then
    UNAME_REL=`(/bin/uname -X|grep Release|sed -e 's/.*= //')`
    (/bin/uname -X|grep i80486 >/dev/null) && UNAME_MACHINE=i486
    (/bin/uname -X|grep '^Machine.*Pentium' >/dev/null) \
    && UNAME_MACHINE=i586
    (/bin/uname -X|grep '^Machine.*Pent *II' >/dev/null) \
    && UNAME_MACHINE=i686
    (/bin/uname -X|grep '^Machine.*Pentium Pro' >/dev/null) \
    && UNAME_MACHINE=i686
    echo ${UNAME_MACHINE}-pc-sco$UNAME_REL
else
    echo ${UNAME_MACHINE}-pc-sysv32
fi
exit ;;
pc:*.*:*)
# Left here for compatibility:
# uname -m prints for DJGPP always 'pc', but it prints nothing about
# the processor, so we play safe by assuming i586.
# Note: whatever this is, it MUST be the same as what config.sub
# prints for the "djgpp" host, or else GDB configury will decide that
# this is a cross-build.
echo i586-pc-msdosdjgpp
exit ;;
Intel:Mach:3*:*)
echo i386-pc-mach3
exit ;;
paragon:*.*:*)
echo i860-intel-osf1
exit ;;
i860:*.4.*:*) # i860-SVR4
if grep Stardent /usr/include/sys/uadmin.h >/dev/null 2>&1 ; then
    echo i860-stardent-sysv${UNAME_RELEASE} # Stardent Vistra i860-SVR4

```



```

else # Add other i860-SVR4 vendors below as they are discovered.
    echo i860-unknown-sysv${UNAME_RELEASE} # Unknown i860-SVR4
fi
exit ;;
mini*:CTIX:SYS*5:*)
# "miniframe"
echo m68010-convergent-sysv
exit ;;
mc68k:UNIX:SYSTEM5:3.51m)
echo m68k-convergent-sysv
exit ;;
M680?0:D-NIX:5.3:*)
echo m68k-diab-dnix
exit ;;
M68*.*:R3V[5678]*:*)
test -r /sysV68 && { echo 'm68k-motorola-sysv'; exit; } ;;
3[345]??:*.4.0:3.0 | 3[34]??:A:*.4.0:3.0 | 3[34]??:*.4.0:3.0 | 3[34]??:*.4.0:3.0 | 4400:*.4.0:3.0 | 4850:*.4.0:3.0 |
SKA40:*.4.0:3.0 | SDS2:*.4.0:3.0 | SHG2:*.4.0:3.0 | S7501*.*:4.0:3.0)
OS_REL=""
test -r /etc/.relid \
&& OS_REL=`sed -n 's/[^ ]* [^ ]* \([0-9][0-9]\).*\1/p' < /etc/.relid`
/bin/uname -p 2>/dev/null | grep 86 >/dev/null \
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;
3[34]??:*.4.0:* | 3[34]??:*.*:4.0:*)
/bin/uname -p 2>/dev/null | grep 86 >/dev/null \
&& { echo i486-ncr-sysv4; exit; } ;;
NCR*.*:4.2:* | MPRAS*.*:4.2:*)
OS_REL='.3'
test -r /etc/.relid \
&& OS_REL=`sed -n 's/[^ ]* [^ ]* \([0-9][0-9]\).*\1/p' < /etc/.relid`
/bin/uname -p 2>/dev/null | grep 86 >/dev/null \
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null | /bin/grep pteron >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;
m68*:LynxOS:2.*:* | m68*:LynxOS:3.0*:*))
echo m68k-unknown-lynxos${UNAME_RELEASE}
exit ;;
mc68030:UNIX_System_V:4.*:*)
echo m68k-atari-sysv4
exit ;;
TSUNAMI:LynxOS:2.*:*)
echo sparc-unknown-lynxos${UNAME_RELEASE}
exit ;;
rs6000:LynxOS:2.*:*)

```



```

echo rs6000-unknown-lynxos${UNAME_RELEASE}
exit ;;
    PowerPC:LynxOS:2.*:* | PowerPC:LynxOS:3.[01]*:* | PowerPC:LynxOS:4.[02]*:*)
echo powerpc-unknown-lynxos${UNAME_RELEASE}
exit ;;
    SM[BE]S:UNIX_SV:*:*)
echo mips-dde-sysv${UNAME_RELEASE}
exit ;;
    RM*:ReliantUNIX-*:*:*)
echo mips-sni-sysv4
exit ;;
    RM*:SINIX-*:*:*)
echo mips-sni-sysv4
exit ;;
    *:.SINIX-*:*:*)
if uname -p 2>/dev/null >/dev/null ; then
    UNAME_MACHINE=`(uname -p) 2>/dev/null`
    echo ${UNAME_MACHINE}-sni-sysv4
else
    echo ns32k-sni-sysv
fi
exit ;;
    PENTIUM:*:4.0*:*:*) # Unisys `ClearPath HMP IX 4000' SVR4/MP effort
    # says <Richard.M.Bartel@ccMail.Census.GOV>
echo i586-unisys-sysv4
exit ;;
    *:.UNIX_System_V:4*:FTX*)
# From Gerald Hewes <hewes@openmarket.com>.
# How about differentiating between stratus architectures? -djm
echo hppa1.1-stratus-sysv4
exit ;;
    *:*:*:FTX*)
# From seanf@swdc.stratus.com.
echo i860-stratus-sysv4
exit ;;
    i*86:VOS:*:*)
# From Paul.Green@stratus.com.
echo ${UNAME_MACHINE}-stratus-vos
exit ;;
    *:.VOS:*:*)
# From Paul.Green@stratus.com.
echo hppa1.1-stratus-vos
exit ;;
    mc68*:A/UX:*:*)
echo m68k-apple-aux${UNAME_RELEASE}
exit ;;
    news*:NEWS-OS:6*:*:*)
echo mips-sony-newsos6

```



```

exit ;;
R[34]000:*System_V*:*:* | R4000:UNIX_SYSV:*:* | R*000:UNIX_SV:*:*)
if [ -d /usr/nec ]; then
    echo mips-nec-sysv${UNAME_RELEASE}
else
    echo mips-unknown-sysv${UNAME_RELEASE}
fi
exit ;;
BeBox:BeOS:*:*) # BeOS running on hardware made by Be, PPC only.
echo powerpc-be-beos
exit ;;
BeMac:BeOS:*:*) # BeOS running on Mac or Mac clone, PPC only.
echo powerpc-apple-beos
exit ;;
BePC:BeOS:*:*) # BeOS running on Intel PC compatible.
echo i586-pc-beos
exit ;;
BePC:Haiku:*:*) # Haiku running on Intel PC compatible.
echo i586-pc-haiku
exit ;;
x86_64:Haiku:*:*)
echo x86_64-unknown-haiku
exit ;;
SX-4:SUPER-UX:*:*)
echo sx4-nec-superux${UNAME_RELEASE}
exit ;;
SX-5:SUPER-UX:*:*)
echo sx5-nec-superux${UNAME_RELEASE}
exit ;;
SX-6:SUPER-UX:*:*)
echo sx6-nec-superux${UNAME_RELEASE}
exit ;;
SX-7:SUPER-UX:*:*)
echo sx7-nec-superux${UNAME_RELEASE}
exit ;;
SX-8:SUPER-UX:*:*)
echo sx8-nec-superux${UNAME_RELEASE}
exit ;;
SX-8R:SUPER-UX:*:*)
echo sx8r-nec-superux${UNAME_RELEASE}
exit ;;
Power*:Rhapsody:*:*)
echo powerpc-apple-rhapsody${UNAME_RELEASE}
exit ;;
*:Rhapsody:*:*)
echo ${UNAME_MACHINE}-apple-rhapsody${UNAME_RELEASE}
exit ;;
*:Darwin:*:*)

```



```

UNAME_PROCESSOR=`uname -p` || UNAME_PROCESSOR=unknown
case $UNAME_PROCESSOR in
    i386)
        eval $set_cc_for_build
        if [ "$CC_FOR_BUILD" != 'no_compiler_found' ]; then
            if (echo '#ifdef __LP64__'; echo IS_64BIT_ARCH; echo '#endif') | \
                (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) | \
                grep IS_64BIT_ARCH >/dev/null
            then
                UNAME_PROCESSOR="x86_64"
            fi
        fi ;;
    unknown) UNAME_PROCESSOR=powerpc ;;
esac
echo ${UNAME_PROCESSOR}-apple-darwin${UNAME_RELEASE}
exit ;;

*:procnto*:*:* | *:QNX:[0123456789]*:*)
UNAME_PROCESSOR=`uname -p`
if test "$UNAME_PROCESSOR" = "x86"; then
    UNAME_PROCESSOR=i386
    UNAME_MACHINE=pc
fi
echo ${UNAME_PROCESSOR}-${UNAME_MACHINE}-nto-qnx${UNAME_RELEASE}
exit ;;

*:QNX:*:4*)
echo i386-pc-qnx
exit ;;

NEO-?:NONSTOP_KERNEL:*:*)
echo neo-tandem-nsk${UNAME_RELEASE}
exit ;;

NSE-*:NONSTOP_KERNEL:*:*)
echo nse-tandem-nsk${UNAME_RELEASE}
exit ;;

NSR-?:NONSTOP_KERNEL:*:*)
echo nsr-tandem-nsk${UNAME_RELEASE}
exit ;;

*:NonStop-UX:*:*)
echo mips-compaq-nonstopux
exit ;;

BS2000:POSIX*:*:*)
echo bs2000-siemens-sysv
exit ;;

DS/*:UNIX_System_V:*:*)
echo ${UNAME_MACHINE}-${UNAME_SYSTEM}-${UNAME_RELEASE}
exit ;;

*:Plan9:*:*)
# "uname -m" is not consistent, so use $cputype instead. 386
# is converted to i386 for consistency with other x86

```



```

# operating systems.
if test "$cputype" = "386"; then
    UNAME_MACHINE=i386
else
    UNAME_MACHINE="$cputype"
fi
echo ${UNAME_MACHINE}-unknown-plan9
exit ;;
*:TOPS-10:*)
echo pdp10-unknown-tops10
exit ;;
*:TENEX:*)
echo pdp10-unknown-tenex
exit ;;
KS10:TOPS-20:*:* | KL10:TOPS-20:*:* | TYPE4:TOPS-20:*:*)
echo pdp10-dec-tops20
exit ;;
XKL-1:TOPS-20:*:* | TYPE5:TOPS-20:*:*)
echo pdp10-xkl-tops20
exit ;;
*:TOPS-20:*:*)
echo pdp10-unknown-tops20
exit ;;
*:ITS:*)
echo pdp10-unknown-its
exit ;;
SEI:*:*:SEIUX)
echo mips-sei-seiux${UNAME_RELEASE}
exit ;;
*:DragonFly:*)
echo ${UNAME_MACHINE}-unknown-dragonfly`echo ${UNAME_RELEASE}|sed -e 's/[-(].*//'^
exit ;;
*:VMS:*)
UNAME_MACHINE=`(uname -p) 2>/dev/null`
case "${UNAME_MACHINE}" in
    A*) echo alpha-dec-vms ; exit ;;
    I*) echo ia64-dec-vms ; exit ;;
    V*) echo vax-dec-vms ; exit ;;
esac ;;
*:XENIX:*:SysV)
echo i386-pc-xenix
exit ;;
i*86:skyos:*)
echo ${UNAME_MACHINE}-pc-skyos`echo ${UNAME_RELEASE}` | sed -e 's/ .*$//'
exit ;;
i*86:rdos:*)
echo ${UNAME_MACHINE}-pc-rdos
exit ;;

```



```

i*86:AROS:*.*)
echo ${UNAME_MACHINE}-pc-aros
exit ;;
x86_64:VMkernel:*.*)
echo ${UNAME_MACHINE}-unknown-esx
exit ;;
esac

eval $set_cc_for_build
cat >$dummy.c <<EOF
#ifdef _SEQUENT_
# include <sys/types.h>
# include <sys/utsname.h>
#endif
main ()
{
#ifdef (sony)
#ifdef (MIPSEB)
/* BFD wants "bsd" instead of "newsos". Perhaps BFD should be changed,
   I don't know.... */
printf ("mips-sony-bsd\n"); exit (0);
#else
#include <sys/param.h>
printf ("m68k-sony-newsos%s\n",
#ifdef NEWSOS4
"4"
#else
""
#endif
); exit (0);
#endif
#endif

#ifdef (__arm) && defined (__acorn) && defined (__unix)
printf ("arm-acorn-riscix\n"); exit (0);
#endif

#ifdef (hp300) && !defined (hpux)
printf ("m68k-hp-bsd\n"); exit (0);
#endif

#ifdef (NeXT)
#ifndef (__ARCHITECTURE__)
#define __ARCHITECTURE__ "m68k"
#endif
int version;
version=`(hostinfo | sed -n 's/. *NeXT Mach \([0-9]*\).*\1/p') 2>/dev/null`;
if (version < 4)

```



```

    printf ("%s-next-nextstep%d\n", __ARCHITECTURE__, version);
else
    printf ("%s-next-openstep%d\n", __ARCHITECTURE__, version);
exit (0);
#endif

#if defined (MULTIMAX) || defined (n16)
#if defined (UMAXV)
    printf ("ns32k-encore-sysv\n"); exit (0);
#else
#if defined (CMU)
    printf ("ns32k-encore-mach\n"); exit (0);
#else
    printf ("ns32k-encore-bsd\n"); exit (0);
#endif
#endif
#endif
#endif

#if defined (__386BSD__)
    printf ("i386-pc-bsd\n"); exit (0);
#endif

#if defined (sequent)
#if defined (i386)
    printf ("i386-sequent-dynix\n"); exit (0);
#endif
#if defined (ns32000)
    printf ("ns32k-sequent-dynix\n"); exit (0);
#endif
#endif

#if defined (_SEQUENT_)
    struct utsname un;

    uname(&un);

    if (strncmp(un.version, "V2", 2) == 0) {
printf ("i386-sequent-ptx2\n"); exit (0);
    }
    if (strncmp(un.version, "V1", 2) == 0) { /* XXX is V1 correct? */
printf ("i386-sequent-ptx1\n"); exit (0);
    }
    printf ("i386-sequent-ptx\n"); exit (0);

#endif

#if defined (vax)
# if !defined (ultrix)

```



```

# include <sys/param.h>
# if defined (BSD)
#   if BSD == 43
       printf ("vax-dec-bsd4.3\n"); exit (0);
#   else
#   if BSD == 199006
       printf ("vax-dec-bsd4.3reno\n"); exit (0);
#   else
       printf ("vax-dec-bsd\n"); exit (0);
#   endif
#   endif
# else
       printf ("vax-dec-bsd\n"); exit (0);
# endif
# else
       printf ("vax-dec-ultrix\n"); exit (0);
# endif
#endif

#if defined (alliant) && defined (i860)
       printf ("i860-alliant-bsd\n"); exit (0);
#endif

exit (1);
}
EOF

$CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; }

# Apollos put the system type in the environment.

test -d /usr/apollo && { echo ${ISP}-apollo-${SYSTYPE}; exit; }

# Convex versions that predate uname can use getsysinfo(1)

if [ -x /usr/convex/getsysinfo ]
then
    case `getsysinfo -f cpu_type` in
        c1*)
            echo c1-convex-bsd
            exit ;;
        c2*)
            if getsysinfo -f scalar_acc
            then echo c32-convex-bsd
            else echo c2-convex-bsd
            fi
        exit ;;
    )

```



```

c34*)
echo c34-convex-bsd
exit ;;
c38*)
echo c38-convex-bsd
exit ;;
c4*)
echo c4-convex-bsd
exit ;;
esac
fi

```

```
cat >&2 <<EOF
```

\$0: unable to guess system type

This script, last modified \$timestamp, has failed to recognize the operating system you are using. It is advised that you download the most up to date version of the config scripts from

http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD
and
http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.sub;hb=HEAD

If the version you run (\$0) is already up to date, please send the following data and any information you think might be pertinent to <config-patches@gnu.org> in order to provide the needed information to handle your system.

```
config.guess timestamp = $timestamp
```

```

uname -m = `(uname -m) 2>/dev/null || echo unknown`
uname -r = `(uname -r) 2>/dev/null || echo unknown`
uname -s = `(uname -s) 2>/dev/null || echo unknown`
uname -v = `(uname -v) 2>/dev/null || echo unknown`

```

```

/usr/bin/uname -p = `(/usr/bin/uname -p) 2>/dev/null`
/bin/uname -X   = `(/bin/uname -X) 2>/dev/null`

```

```

hostinfo      = `(hostinfo) 2>/dev/null`
/bin/universe  = `(/bin/universe) 2>/dev/null`
/usr/bin/arch -k    = `(/usr/bin/arch -k) 2>/dev/null`
/bin/arch      = `(/bin/arch) 2>/dev/null`
/usr/bin/oslevel   = `(/usr/bin/oslevel) 2>/dev/null`
/usr/convex/getsysinfo = `(/usr/convex/getsysinfo) 2>/dev/null`

```

```

UNAME_MACHINE = ${UNAME_MACHINE}
UNAME_RELEASE = ${UNAME_RELEASE}
UNAME_SYSTEM  = ${UNAME_SYSTEM}

```



```
UNAME_VERSION = ${UNAME_VERSION}
```

```
EOF
```

```
exit 1
```

```
# Local variables:
```

```
# eval: (add-hook 'write-file-hooks 'time-stamp)
```

```
# time-stamp-start: "timestamp="
```

```
# time-stamp-format: "%:y-%02m-%02d"
```

```
# time-stamp-end: ""
```

```
# End:
```

```
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```

```
Version 2, June 1991
```

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1.156 sg3-utils 1.38

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The following people have worked to translate sudo into other languages:

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1.164 sysvinit 2.88dsf

1.164.1 Available under license :

```
/*
 * initreq.h Interface to talk to init through /dev/initctl.
 *
```


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1.167 tcl 8.6.1

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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1.172 trace-cmd 2.3.2

1.172.1 Available under license :

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Version 2.1, February 1999

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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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1.173 turbostat 3.4

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<one line to give the library's name and a brief idea of what it does.>

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.178 vim 7.4.481

1.178.1 Available under license :

```
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```

Arnaud LE HORS BULL Research FRANCE -- Koala Project

(XPM - X PixMap format version 2 & 3)

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Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
" Vim syntax file
" Language: Software Distributor product specification file
" (POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

if version < 600

" Remove any old syntax stuff hanging around

syn clear

elseif exists("b:current_syntax")

finish

endif

" Product specification files are case sensitive

syn case match

syn keyword psfObject bundle category control_file depot distribution

syn keyword psfObject end file fileset host installed_software media

syn keyword psfObject product root subproduct vendor

syn match psfUnquotString +[^"#][^#]*+ contained

syn region psfQuotString start="+"+ skip="+\\"+ end="+"+ contained

syn match psfObjTag "\<[-_+A-Z0-9a-z]\+\(\([-_+A-Z0-9a-z]\+\)*" contained

syn match psfAttAbbrev ",\<(\(fa\|fr\|[\aclqrv])\)(\<|>|<=|>|=|==|)\(^,|)+" contained

syn match psfObjTags "\<[-_+A-Z0-9a-z]\+\(\([-_+A-Z0-9a-z]\+\)*\(\s\+\<[-_+A-Z0-9a-z]\+\(\([-_+A-Z0-9a-z]\+\)*\)*" contained

syn match psfNumber "\<d\|>" contained

syn match psfFloat "\<d\|>(\.(<d\|>)*" contained

syn match psfLongDate "\<d\d\d\d\d\d\d\d\d\d\d\d\d\d\d>" contained

syn keyword psfState available configured corrupt installed transient contained

syn keyword psfPState applied committed superseded contained

syn keyword psfBoolean false true contained

"Some of the attributes covered by attUnquotString and attQuotString:

" architecture category_tag control_directory copyright

" create_date description directory file_permissions install_source

" install_type location machine_type mod_date number os_name os_release


```

" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=~^\s*[\^# ]\+\s\+[\^#" ]~rs=e-1
contains=psfUnquotString,psfComment end=~$~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=~^\s*[\^# ]\+\s\+"~rs=e-1
contains=psfQuotString,psfComment skip=~\|~ matchgroup=psfQuotString end=~"~ keepend

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline

syn region psfAttSpec matchgroup=psfAttrib
start="^\s*(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exerequisites\|prerequisites\|software_spec\|
supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$"
keepend

syn region psfAttNumber matchgroup=psfAttrib
start="^\s*(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size\)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time\|ctime\|mod_time\|mtime\|timestamp\)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision\|layout_version\)\s\+"
contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment
end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*(state\)\s\+" contains=psfState,psfComment end="$"
keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state\)\s\+" contains=psfPState,psfComment
end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse\)\s\+"
contains=psfBoolean,psfComment end="$" keepend oneline

syn match psfComment "#.*$"

" Define the default highlighting.

```



```

" For version 5.7 and earlier: only when not done already
" For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
  if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
  else
    command -nargs=+ HiLink hi def link <args>
  endif

  HiLink psfObject      Statement
  HiLink psfAttrib      Type
  HiLink psfQuotString  String
  HiLink psfObjTag      Identifier
  HiLink psfAttAbbrev   PreProc
  HiLink psfObjTags     Identifier

  HiLink psfComment     Comment

  delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"
*uganda.txt*  For Vim version 7.4.  Last change: 2013 Jul 06

```

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*

SUMMARY

iccf *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

<http://iccf-holland.org/>
<http://www.vim.org/iccf/>
<http://www.iccf.nl/>

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [\[manual-copyright\]](#).

=== begin of license ===

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II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.

2) The modified Vim must be distributed in one of the following five ways:

a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

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permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.

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- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not

make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

=====

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up

needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See [|iccf|](#) for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy

10238-168 Street

Surrey, B.C. V4N 1Z4

Canada

Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774

IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:

1.179 vlock 2.2.3

1.179.1 Available under license :

```
/* util.h -- header for utility routines for vlock,
 *          the VT locking program for linux
 *
 * This program is copyright (C) 2007 Frank Benkstein, and is free
 * software which is freely distributable under the terms of the
 * GNU General Public License version 2, included as the file COPYING in this
 * distribution. It is NOT public domain software, and any
 * redistribution not permitted by the GNU General Public License is
 * expressly forbidden without prior written permission from
 * the author.
 *
 */

#include <stddef.h>
```



```

struct timespec;

/* Parse the given string (interpreted as seconds) into a
 * timespec. On error NULL is returned. The caller is responsible
 * to free the result. The string may be NULL, in which case NULL
 * is returned, too. */
struct timespec *parse_seconds(const char *s);

void fatal_error(const char *format, ...)
    __attribute__((noreturn, format(printf, 1, 2)));
void fatal_error_free(char *errmsg)
    __attribute__((noreturn));
void fatal_perror(const char *errmsg)
    __attribute__((noreturn));

#define STRERROR (errno ? strerror(errno) : "Unknown error")

#define GUARD_ERRNO(expr) \
do { \
    int __errsv = errno; expr; errno = __errsv; \
} while (0)

```

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1.180 watchdog 5.13

1.180.1 Available under license :

```
/* $Header: /cvsroot/watchdog/watchdog/src/nfsmount.c,v 1.2 2006/07/31 09:39:23 meskes Exp $ */
```

```
/*
```

```
* nfsmount.c -- Linux NFS mount
```

```
* Copyright (C) 1993 Rick Sladkey <jrs@world.std.com>
```

```
*
```

```
* This program 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, or (at your option)
```

```
* any later version.
```

```
*
```

```
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```

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* but WITHOUT ANY WARRANTY; without even the implied warranty of
```

```
* MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
```

```
* GNU General Public License for more details.
```

```
*
```

```
* Wed Feb 8 12:51:48 1995, biro@yggdrasil.com (Ross Biro): allow all port
```

```
* numbers to be specified on the command line.
```

```
*
```

```
* Fri, 8 Mar 1996 18:01:39, Swen Thuemmler <swen@uni-paderborn.de>:
```

```
* Omit the call to connect() for Linux version 1.3.11 or later.
```

```
*
```

```
* Wed Oct 1 23:55:28 1997: Dick Streefland <dick_streefland@tasking.com>
```

```
* Implemented the "bg", "fg" and "retry" mount options for NFS.
```

```
*
```

```
* 1999-02-22 Arkadiusz Mi"kiewicz <misiek@misiek.eu.org>
```

```
* - added Native Language Support
```

```
*
```

```
* Modified by Olaf Kirch and Trond Myklebust for new NFS code,
```

```
* plus NFSv3 stuff.
```

```
*/
```


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1.182 which 2.2

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1.184 xinetd 2.3.15

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1.185 zip 3.0

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1.186 zlib 1.2.8

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