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Text Part Number: 78EE117C99-1146036190

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```
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```

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```
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```

```
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1.2 e2fsprogs 1.44.1 1ubuntu1.3

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*/

Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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#

This is a Makefile stub which handles the creation of BSD shared libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

```

#

all:: image

real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;' /$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

```

This is the Debian GNU/Linux prepackaged version of the Common Error Description 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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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1.4 nghttp2 1.30.0-1ubuntu1

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```
set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
```

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1.5 okhttp 3.12.6

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1.6 fsnotify 1.4.9

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1.7 util-linux 2.31.1 0.4ubuntu3.3

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1.8 ghodss-yaml 1.0.0

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1.9 goprotobuf 1.3.2

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1.10 open-ldap 2.4.45+dfsg-1ubuntu1.3

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1.11 cyrus-sasl 2.1.27~101-g0780600+dfsg 3ubuntu2

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* Tim Martin

* Rob Earhart

* Rob Siemborski

*/

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1.13 grep 3.1-2

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1.14 x-text v0.3.0

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1.15 ca-certificates 20180409

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1.17 zlib 1.2.11

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   version 1.2.11, January 15th, 2017
```

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

1.18 pam 1.1.8-3.6ubuntu2.18.04.2

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1.19 npth 1.5-3

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1.20 pflag 1.0.5

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1.21 linux-libc-dev 4.15.0-135.139

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That's all there is to it!

```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
```

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*
* M. Welsh, 6 July 1996
*
*
*/

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1.22 coreutils 8.28 1ubuntu1

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```

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1.23 pam 1.1.8 3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
-----  
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c  
+++ pam.ubuntu/modules/pam_motd/pam_motd.c  
@@ -73,6 +73,61 @@  
close(fd);  
}  
  
+int display_legal(pam_handle_t *pamh)  
+{  
+ int retval = PAM_IGNORE, rc;  
+ char *user = NULL;  
+ char *dir = NULL;  
+ char *flag = NULL;  
+ struct passwd *pwd = NULL;  
+ struct stat s;  
+ int f;  
+ /* Get the user name to determine if we need to print the disclaimer */  
+ rc = pam_get_item(pamh, PAM_USER, &user);  
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')  
+ {  
+ PAM_MODUTIL_DEF_PRIVS(privs);  
+  
+ /* Get the password entry */  
+ pwd = pam_modutil_getpwnam (pamh, user);  
+ if (pwd != NULL)  
+ {  
+ if (pam_modutil_drop_priv(pamh, &privs, pwd)) {  
+ pam_syslog(pamh, LOG_ERR,  
+ "Unable to change UID to %d temporarily\n",  
+ pwd->pw_uid);  
+ retval = PAM_SESSION_ERR;  
+ goto finished;  
+ }  
+ }  
+ }  
+ }
```

```

+     if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+         goto finished;
+     if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+         goto finished;
+
+     if (stat(flag, &s) != 0)
+     {
+         display_file(pamh, "/etc/legal");
+         mkdir(dir, 0700);
+         f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+         if (f>=0) close(f);
+     }
+
+finished:
+     if (pam_modutil_regain_priv(pamh, &privs)) {
+         pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID back to %d\n", privs.old_uid);
+         retval = PAM_SESSION_ERR;
+     }
+
+     _pam_drop(flag);
+     _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+     retval = display_legal(pamh);
+
    return retval;
}

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

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1.24 bash 4.4.18 2ubuntu1.2

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1.29 jakarta xml bind api 2.3.2

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1.30 mitchellh-mapstructure 1.1.2

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1.31 pcre 8.39-9

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THE BASIC LIBRARY FUNCTIONS

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1.32 libjpeg 6b

1.32.1 Notifications :

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1.32.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

=====

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and

remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in

"The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department

C-Cube Microsystems, Inc.

1778 McCarthy Blvd.

Milpitas, CA 95035

phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at

<ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text

version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <ftp.sgi.com> or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

ARCHIVE LOCATIONS

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The "official" archive site for this software is <ftp.uu.net> (Internet address 192.48.96.9). The most recent released version can always be found there in directory `graphics/jpeg`. This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the <ftp.uu.net> release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups `comp.graphics.misc`, `news.answers`, and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other `news.answers` archive sites, including the official `news.answers` archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](http://rtfm.mit.edu/ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

- send `usenet/news.answers/jpeg-faq/part1`
- send `usenet/news.answers/jpeg-faq/part2`

RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>. Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not.

(In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.33 gotenv 1.2.0

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1.34 error_prone_annotations 2.1.3

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1.35 p11-kit 0.23.9-2

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1.36 also 1.1.3-5ubuntu0.2

1.37 google-uuid 1.1.5

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Paul Borman <borman@google.com>

bmatsuo

shawnps

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jboverfelt

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1.38 cast 1.3.0

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1.39 kerberos 1.16-2ubuntu0.2

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi_err_generic.et
- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c

lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
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lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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lib/gss_mechs/mech_spnego/mech_gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech_spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
```

lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
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lib/libgss/g_acquire_cred.c
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lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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1.41 dns 1.1.38

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1.42 alsa-lib 1.1.3-5ubuntu0.2

1.43 readline 7.0 3

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@c End:

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This package was put together by Matthias Klose <doko@debian.org>.

Upstream source:

<ftp.gnu.org/pub/gnu/readline/readline-4.3.tar.gz>.

Author: Per Bothner

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/* A front-end using readline to "cook" input lines for Kawa.

*

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*

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<ftp.gnu.org/pub/gnu/readline/readline-6.0.tar.gz>.

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1.48 keyutils 1.5.9 9.2ubuntu2

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1.49 base-files 10.1ubuntu2.10

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Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special

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

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

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

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Version 3, 29 June 2007

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- b) Convey the object code in, or embodied in, a physical product

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How to Apply These Terms to Your New Programs

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

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

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

```
<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  
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```

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The End

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Version 3, 29 June 2007

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#+STARTUP: showall
```

```
* DNS resolver (dirmngr/dns.c)
```

```
dns.c - Recursive, Reentrant DNS Resolver.  
-----
```

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1.53 bzip2 1.0.6 8.1ubuntu0.2

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Julian Seward, jseward@acm.org

1.54 curl 7.58.0 2ubuntu3.6

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=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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1.55 libxrender 0.9.10-1

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1.56 open-ldap 2.4.45+dfsg 1ubuntu1.1

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```
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```

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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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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1.58 prometheus-client 0.2.0

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1.59 netlink 1.1.0

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1.60 gorilla 1.8.0

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1.61 x-crypto 1.11.13

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That's all there is to it!

/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * <http://www.hypermall.com/>
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
 *
 *
 *
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*
* M. Welsh, 6 July 1996
*
*
*/

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man/strnstr.3bsd
man/unvis.3bsd
man/vis.3bsd
man/wcsncpy.3bsd
src/getbsize.c
src/heapsort.c
src/merge.c
src/nlist.c
src/radixsort.c
src/setmode.c
src/strmode.c
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man/fmtcheck.3bsd
man/humanize_number.3bsd
man/stringlist.3bsd
man/timeval.3bsd
src/fmtcheck.c
src/humanize_number.c
src/stringlist.c

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man/expand_number.3bsd
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man/getpeereid.3bsd
man/pidfile.3bsd
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src/fparsefn.c

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man/readpassphrase.3bsd

man/strncpy.3bsd

man/strtonum.3bsd

src/arc4random.c

src/arc4random_openbsd.h

src/arc4random_uniform.c

src/arc4random_unix.h

src/closefrom.c

src/getentropy_aix.c

src/getentropy_bsd.c

src/getentropy_hpux.c

src/getentropy_hurd.c

src/getentropy_linux.c

src/getentropy_osx.c

src/getentropy_solaris.c

src/readpassphrase.c

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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 "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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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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- 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.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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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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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

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

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

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It was later taken over by Matthias Urlichs <smurf@debian.org> and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from <ftp://ftp.gnutls.org/gcrypt/gnutls/>

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lib/system/vasprintf.c

Upstream Authors: David Woodhouse <dwmw2@infradead.org>

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*

Author: Rusty Russell <rusty@rustcorp.com.au>

Comment: <http://ccodearchive.net/info/str/hex.html>

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doc/examples/tlsproxy/

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tests/pkcs11/pkcs11-mock.*

Author: Jaroslav Imrich <jimrich@jimrich.sk>

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lib/unistring/*

Author: Bruno Haible <bruno@clisp.org>

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Comment: Debian package is built against libunistring-dev package.

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```
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## version 0.1  
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1.78 cyrus-sasl 2.1.27~101-g0780600+dfsg-3ubuntu2.3

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 * Rob Earhart
 * Rob Siemborski
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1.80 kingpin v2.2.6

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1.81 libpsl 0.19.1-5build1

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Source: <https://github.com/rockdaboot/libpsl>

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1.82 adduser 3.116ubuntu1

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1.83 dash 0.5.8 2.10

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1.84 gzip 1.6 5ubuntu1

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1.85 viper 1.7.1

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1.86 ubuntu-keyring 2018.09.18.1~18.04.0

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1.87 snake-yaml 1.24

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1.88 libgpg-error 1.27 6

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1.89 x-sys 1.13

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1.90 goprotobuf 1.4.3

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Source: <https://alioth.debian.org/projects/collab-maint/sensible-utils.git>

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1.95 net-tools 1.60+git20161116.90da8a0

1ubuntu1

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1.96 gorilla 1.7.3

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1.97 mitchellh-mapstructure 1.4.1

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1.99 e2fsprogs 1.44.1 1ubuntu1.1

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*/

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes

-

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Theodore Ts'o
23-June-2007

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That's all there is to it!

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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#

This is a Makefile stub which handles the creation of BSD shared
libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;'"/\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM) -rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the Common Error Description 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:
tsx-11.mit.edu/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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```

```
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1.101 slf4j 1.7.29

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
-----  
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c  
+++ pam.ubuntu/modules/pam_motd/pam_motd.c  
@@ -73,6 +73,61 @@  
close(fd);  
}  
  
+int display_legal(pam_handle_t *pamh)  
+{  
+ int retval = PAM_IGNORE, rc;  
+ char *user = NULL;  
+ char *dir = NULL;  
+ char *flag = NULL;  
+ struct passwd *pwd = NULL;  
+ struct stat s;  
+ int f;  
+ /* Get the user name to determine if we need to print the disclaimer */  
+ rc = pam_get_item(pamh, PAM_USER, &user);  
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')  
+ {  
+ PAM_MODUTIL_DEF_PRIVS(privs);  
+  
+ /* Get the password entry */  
+ pwd = pam_modutil_getpwnam (pamh, user);  
+ if (pwd != NULL)
```

```

+   {
+   if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+       pam_syslog(pamh, LOG_ERR,
+           "Unable to change UID to %d temporarily\n",
+           pwd->pw_uid);
+       retval = PAM_SESSION_ERR;
+       goto finished;
+   }
+
+   if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+       goto finished;
+   if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+       goto finished;
+
+   if (stat(flag, &s) != 0)
+   {
+       display_file(pamh, "/etc/legal");
+       mkdir(dir, 0700);
+       f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+           S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+       if (f>=0) close(f);
+   }
+
+finished:
+   if (pam_modutil_regain_priv(pamh, &privs)) {
+       pam_syslog(pamh, LOG_ERR,
+           "Unable to change UID back to %d\n", privs.old_uid);
+       retval = PAM_SESSION_ERR;
+   }
+
+   _pam_drop(flag);
+   _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+ retval = display_legal(pamh);
+
    return retval;

```

}

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.104 libidn 2.0.4-1.1ubuntu0.2

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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 compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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This option is useful when you wish to copy part of the code of

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Version 3, 29 June 2007

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1.107 units 0.4.0

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1.109 cpp 8.3.0 6ubuntu1~18.04.1

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

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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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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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It may happen that this requirement contradicts the license

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@heading TERMS AND CONDITIONS

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```
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@end smallexample
```

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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1.111 libpng 1.6.34-1ubuntu0.18.04.1

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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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1.114 systemd 237-3ubuntu10.44

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1.115 audit 2.8.2 1ubuntu1

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1.116 saaj 1.5.1

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Source Code

The project maintains the following source code repositories:

- * <https://github.com/eclipse-ee4j/metro-xmlstreambuffer>
- * <https://github.com/eclipse-ee4j/metro-policy>
- * <https://github.com/eclipse-ee4j/metro-wsit>
- * <https://github.com/eclipse-ee4j/metro-mimepull>
- * <https://github.com/eclipse-ee4j/metro-ws-test-harness>
- * <https://github.com/eclipse-ee4j/metro-package-rename-task>
- * <https://github.com/eclipse-ee4j/metro-jax-ws>
- * <https://github.com/eclipse-ee4j/metro-saaj>
- * <https://github.com/eclipse-ee4j/metro-jwsdp-samples>
- * <https://github.com/eclipse-ee4j/jax-rpc-ri>

Third-party Content

This project leverages the following third party content.

addressing.xml Version: 2004/10 (n/a)

- * License: W3C
- * Project: <https://www.w3.org/Submission/ws-addressing/>
- * Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

- * License: Apache-2.0 AND SAX-PD AND W3C
- * Project: <https://ant.apache.org/>
- * Source:
<http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

- * License: Apache-1.1
- * Project: <https://ant.apache.org/>
- * Source: <https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar>

Apache Ant (1.10.2)

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commons-logging (1.1.2)

- * License: Apache-2.0
- * Project: <https://commons.apache.org/proper/commons-logging/>
- * Source: <http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

- * License: Eclipse Public License

maven-core (3.5.2)

- * License: Apache-2.0

maven-plugin-annotations (3.5.1)

- * License: Apache-2.0
- * Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>
- * Source: <https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

- * License: Apache-2.0
- * Project: <https://maven.apache.org/>
- * Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

maven-resolver-api (1.1.1)

- * License: Apache-2.0

maven-resolver-util (1.1.1)

- * License: Apache-2.0

maven-settings (3.5.2)

- * License: Apache-2.0

mex.xsd Version: 2004/09 (n/a)

- * License: Oasis Style
- * Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>
- * Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

plexus-utils (3.1.0)

- * License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)

relaxng-datatype (1.0)

- * License: New BSD license

stax2-api (4.1)

- * License: Pending
- * Project: <https://github.com/FasterXML/stax2-api>
- * Source: <http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

- * License: Apache-2.0 AND MIT
- * Project: <https://testng.org/doc/index.html>
- * Source: <https://github.com/cbeust/testng>

woodstox-core-asl (4.4.1)

- * License: Apache-2.0

woodstox-core-asl (5.1.0)

- * License: Apache-2.0
- * Project: <https://github.com/FasterXML/woodstox>
- * Source: <https://github.com/FasterXML/woodstox>

ws-addr.wsd (1.0)

- * License: W3C
- * Project: <https://www.w3.org/2005/08/addressing/>
- * Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

- * License: Oasis Style

- * Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>
- * Source: <http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd>

wscor.xsd (1.0)

- * License: OASIS Style

wscor.xsd (1.1)

- * License: Oasis (Custom)
- * Project: <http://docs.oasis-open.org/ws-tx/wscor/2006/06>
- * Source:
<http://docs.oasis-open.org/ws-tx/wscor/2006/06/wstx-wscor-1.1-schema-200701.xsd>

wrm Version: 2005/02 (n/a)

- * License: Oasis (Custom)
- * Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>
- * Source:
<http://schemas.xmlsoap.org/ws/2005/02/rm/wrm.xsd>; <http://schemas.xmlsoap.org/ws/2005/02/rm/wrm-policy.xsd>

wrm.xsd (1.2)

- * License: Oasis

wstx-wsat.xsd (1.1)

- * License: Oasis (Custom)

xmlsec (1.5.8)

- * License: Apache-2.0
- * Project: <http://santuario.apache.org/>
- * Source:
<https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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1.117 libxi 1.7.9-1

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1.118 base-passwd 3.5.44

1.118.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/*

Copyright: Copyright 1999-2002 Wichert Akkerman <wichert@deephackmode.org>

Copyright 2002, 2003, 2004 Colin Watson <cjwatson@debian.org>

License: GPL-2

Files: passwd.master, group.master

License: PD

X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and

Bruce Perens <bruce@pixar.com>.

Files: doc/*

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1.119 xorg 7.7+19ubuntu7.1

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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.120 xml-commons-resolver 1.2

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1.121 netcat 1.10 41.1

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lib/compat/gettext.h
lib/compat/obstack.*
lib/compat/strnlen.c

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dselect/methods/ftp/*

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scripts/Dpkg/Gettext.pm

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Changes by Ben Collins <bcollins@debian.org>, added --chuid, --background and --make-pidfile options, placed in public domain as well.

Files: lib/compat/md5.*

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```

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1.124 generex 1.0.2

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
  <packaging>jar</packaging>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
  <developers>
    <developer>
      <id>mifmif</id>
      <name>MIFRAH Youssef</name>
      <email>mifmif.com@gmail.com</email>
    </developer>
    <developer>
      <id>mkolisnyk</id>
      <name>mkolisnyk</name>
      <email>kolesnik.nickolay@gmail.com</email>
    </developer>
  </developers>

  <parent>
    <groupId>org.sonatype.oss</groupId>
    <artifactId>oss-parent</artifactId>
    <version>7</version>
  </parent>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.pmd.excludes>*/generated-sources/*</maven.pmd.excludes>
  </properties>
```

```

<scm>
  <connection>scm:git:git@github.com:mifmif/Generex.git</connection>
  <developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
  <url>https://github.com/mifmif/Generex.git</url>
</scm>
<ciManagement>
  <url>https://travis-ci.org/mifmif/Generex/builds</url>
  <system>Travis</system>
  <notifiers>
    <notifier>
      <address>mifmif.com@gmail.com</address>
      <type>mail</type>
    </notifier>
    <notifier>
      <address>kolesnik.nickolay@gmail.com</address>
      <type>mail</type>
    </notifier>
  </notifiers>
</ciManagement>

<distributionManagement>
  <snapshotRepository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
  </snapshotRepository>
  <repository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
  </repository>
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  <testSourceDirectory>src/test/java</testSourceDirectory>
  <resources>
    <resource>
      <directory>src</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>target/dependency</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
  </resources>

```

```

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  <directory>src/main/resources</directory>
  <includes>
    <include>**/*.properties</include>
  </includes>
</resource>
</resources>
<plugins>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-install-plugin</artifactId>
  <version>2.5.2</version>
  <configuration>
    <file>target/${project.artifactId}-${project.version}.jar</file>
    <groupId>${project.groupId}</groupId>
    <artifactId>${project.artifactId}</artifactId>
    <version>${project.version}</version>
    <packaging>maven-plugin</packaging>
  </configuration>
</plugin>

<plugin>
  <artifactId>maven-compiler-plugin</artifactId>
  <version>3.5.1</version>
  <configuration>
    <source>1.5</source>
    <target>1.5</target>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-jar-plugin</artifactId>
  <version>3.0.2</version>
  <configuration>
    <excludes>
      <exclude>*</exclude>
      <exclude>com/thoughtworks/**/*</exclude>
      <exclude>freemarker/**/*</exclude>
      <exclude>ftl/**/*</exclude>
      <exclude>i18n/**/*</exclude>
      <exclude>style/**/*</exclude>
      <exclude>junit/**/*</exclude>
      <exclude>licenses/**/*</exclude>
      <exclude>META-INF/maven/**/*</exclude>
      <exclude>org/codehaus/**/*</exclude>
      <exclude>org/hamcrest/**/*</exclude>
      <exclude>org/jbehave/**/*</exclude>
      <exclude>org/junit/**/*</exclude>
    </excludes>
  </configuration>
</plugin>

```

```

<exclude>org/testng/**/*</exclude>
<exclude>org/xmlpull/**/*</exclude>
<exclude>stories/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>tests/**/*</exclude>
</excludes>
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<addClasspath>>false</addClasspath>
<addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
<addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
<addExtensions>>false</addExtensions>
<classpathLayoutType>simple</classpathLayoutType>
</manifest>
</archive>
</configuration>
</plugin>
<plugin>
<artifactId>maven-assembly-plugin</artifactId>
<version>2.6</version>
<configuration>
<descriptors>
<descriptor>./sources.xml</descriptor>
</descriptors>
</configuration>
</plugin>
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<artifactId>maven-dependency-plugin</artifactId>
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</plugin>
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<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
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<configuration>
<show>private</show>
<nohelp>>false</nohelp>
<failOnError>>false</failOnError>
<sourcepath>src/main/java</sourcepath>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-release-plugin</artifactId>
<configuration>
<tagNameFormat>v@{project.version}</tagNameFormat>
<preparationGoals>package install:install-file</preparationGoals>

```

```
<scmCommentPrefix>#3</scmCommentPrefix>
</configuration>
</plugin>
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<artifactId>maven-deploy-plugin</artifactId>
<version>2.8.2</version>
<configuration>
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</plugin>
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<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-source-plugin</artifactId>
<version>3.0.1</version>
<executions>
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<goals>
<goal>jar-no-fork</goal>
</goals>
</execution>
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<artifactId>maven-javadoc-plugin</artifactId>
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<goals>
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</goals>
</execution>
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```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-gpg-plugin</artifactId>
<executions>
<execution>
<id>sign-artifacts</id>
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<goals>
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```
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```

```
<plugin>
  <groupId>org.sonatype.plugins</groupId>
  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.3</version>
  <executions>
    <execution>
      <id>default-deploy</id>
      <phase>deploy</phase>
      <goals>
        <goal>deploy</goal>
      </goals>
    </execution>
  </executions>
  <extensions>true</extensions>
  <configuration>
    <serverId>osrh</serverId>
    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
  </configuration>
```

```
</plugin>
```

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-pmd-plugin</artifactId>
  <version>3.6</version>
  <configuration>
    <failOnViolation>true</failOnViolation>
    <excludeRoots>
      <excludeRoot>target/generated-sources/plugin</excludeRoot>
    </excludeRoots>
    <excludes>
      <exclude>*/HelpMojo.java</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
        <goal>cpd-check</goal>
      </goals>
    </execution>
  </executions>
  <configuration>
```

```

    <failOnViolation>true</failOnViolation>
    <excludes>
      <exclude>**/HelpMojo.java</exclude>
    </excludes>
  </configuration>
</execution>
</executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>2.10</version>
  <configuration>
    <excludes>**/test/java/**/*.*.java</excludes>
    <configLocation>./sun_checks.xml</configLocation>
    <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
    <failOnViolation>true</failOnViolation>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>cobertura-maven-plugin</artifactId>
  <version>2.6</version>
  <configuration>
    <check>
      <haltOnFailure>>false</haltOnFailure>
      <totalBranchRate>80</totalBranchRate>
      <totalLineRate>80</totalLineRate>
      <packageLineRate>80</packageLineRate>
      <packageBranchRate>80</packageBranchRate>
    </check>
    <instrumentation>
      <excludes>
        <exclude>**/HelpMojo.class</exclude>
      </excludes>
    </instrumentation>
  </configuration>
  <executions>
    <execution>
      <id>verification</id>
      <phase>verify</phase>

```

```

    <goals>
      <goal>check</goal>
      <goal>cobertura</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>javancss-maven-plugin</artifactId>
  <version>2.0</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <ccnLimit>15</ccnLimit>
    <ncssLimit>100</ncssLimit>
    <failOnViolation>true</failOnViolation>
    <excludes>
      <exclude>**/tests/**/*.*</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.1</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>
    <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>jdepend-maven-plugin</artifactId>

```

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<version>2.0</version>
</plugin>
</plugins>
</build>
<dependencies>
<dependency>
<groupId>dk.brics.automaton</groupId>
<artifactId>automaton</artifactId>
<version>1.11-8</version>
</dependency>
<dependency>
<groupId>junit</groupId>
<artifactId>junit</artifactId>
<version>4.12</version>
<scope>test</scope>
</dependency>
<dependency>
<groupId>org.hamcrest</groupId>
<artifactId>hamcrest-junit</artifactId>
<version>2.0.0.0</version>
<scope>test</scope>
</dependency>
</dependencies>
</project>
```

Found in path(s):

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml

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

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- * /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/GenerexIterator.java
- * /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Generex.java
- * /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Node.java
- * /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterator.java
- * /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Main.java
- * /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterable.java

1.125 open-ldap 2.4.45+dfsg-1 ubuntu1.9

1.125.1 Available under license :

```
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*  
*/
```

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Version 2.8, 17 August 2003

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1.126 gnutls 3.5.18-1ubuntu1.4

1.126.1 Available under license :

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Version 3, 29 June 2007

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This is free software, and you are welcome to redistribute it
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```

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

- * A rewrite of the original Debian's start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
- * public domain.

1.132 spring-framework 3.2.17.RELEASE

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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

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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.

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A "library" means a collection of software functions and/or data

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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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,

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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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- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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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.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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

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

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

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Version 3, 29 June 2007

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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.

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d) 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.

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```

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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1.139 fdisk 2.31.1

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1.140 sqlite 3.22.0 1

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1.143 pflag 1.0.3

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1.144 pkg-sftp 1.12.0

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1.145 expat 2.2.5 3

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1.146 openjdk 1.8.0u192

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xwd v1.0.7

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```
</pre>
# This file contains a list of people who've made non-trivial
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```

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The Unicode Standard, Unicode Character Database, Version 12.1.0

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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utils/start-stop-daemon.c

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1.153 logrus 1.6.0

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1.156 x-image 1.13

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1.157 jsonpb 1.4.3

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Go support for Protocol Buffers - Google's data interchange format

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1.159 pinentry 1.1.0-1

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1.161 libffi 3.2.1-8

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1.164 spdylay 1.30.0 1ubuntu1

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lib/extras/randomart.*

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lib/accelerated/x86/elf/aes-ssse3-x86.s
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=====

lib/system/vasprintf.c

Upstream Authors: David Woodhouse <dwmw2@infradead.org>

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*

Author: Rusty Russell <rusty@rustcorp.com.au>

Comment: <http://ccodearchive.net/info/str/hex.html>

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doc/examples/tlsproxy/

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=====
tests/pkcs11/pkcs11-mock.*

Author: Jaroslav Imrich <jimrich@jimrich.sk>

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Author: Bruno Haible <bruno@clisp.org>

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Comment: Debian package is built against libunistring-dev package.

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1.172 kubernetes-model-common 4.6.3

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1.173 lz4 0.0~r131 2ubuntu3

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

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1.174 properties 1.8.1

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goproperties - properties file decoder for Go

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1.175 animal-sniffer-annotation 1.14

1.176 sqlite 3.22.0 1ubuntu0.1

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1.177 libxau 1.0.8 1

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1.178 logging-interceptor 3.12.6

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1.179 diffutils 3.6-1

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1.180 gmp 6.1.2+dfsg-2

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1.181 properties 1.8.4

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1.182 httpcomponents-client 4.3.2

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Version 3, 29 June 2007

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It is now maintained by Andreas Metzler <ametzler@debian.org>, Eric Dorland <eric@debian.org> and James Westby <jw+debian@jameswestby.net>

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Upstream Authors: Fabio Fiorina <fiorinaf@gnutls.org>

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonScope.java
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jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonArray.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/bind/TimeTypeAdapter.java
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```

Found in path(s):

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Streams.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/LongSerializationPolicy.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonStreamParser.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/FieldAttributes.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/JsonAdapter.java

1.185 spring-expression 5.0.2

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1.187 libksba 1.3.5 2

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1.188 libxext 1.3.3-1

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1.189 Icms 2.9

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1.190 coreos-semver 0.3.0

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1.191 jackson-annotations 2.10.0

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1.192 kerberos 1.16 2ubuntu0.1

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
```

lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```
<title>MIT Kerberos License information &#8212; MIT Kerberos Documentation</title>
```

```
<link rel="stylesheet" href="_static/agogo.css" type="text/css" />
```

```
<link rel="stylesheet" href="_static/pygments.css" type="text/css" />
```

```
<link rel="stylesheet" href="_static/kerb.css" type="text/css" />
```

```

<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
  URL_ROOT:  './',
  VERSION:   '1.17',
  COLLAPSE_INDEX: false,
  FILE_SUFFIX: '.html',
  HAS_SOURCE: true,
  SOURCELINK_SUFFIX: '.txt'
};
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
<script type="text/javascript" src="_static/doctools.js"></script>
<link rel="author" title="About these documents" href="about.html" />
<link rel="index" title="Index" href="genindex.html" />
<link rel="search" title="Search" href="search.html" />
<link rel="copyright" title="Copyright" href="copyright.html" />
<link rel="next" title="Copyright" href="copyright.html" />
<link rel="prev" title="MIT Kerberos features" href="mitK5features.html" />
</head>
<body>
<div class="header-wrapper">
  <div class="header">

    <h1><a href="index.html">MIT Kerberos Documentation</a></h1>

    <div class="rel">

      <a href="index.html" title="Full Table of Contents"
        accesskey="C">Contents</a> |
      <a href="mitK5features.html" title="MIT Kerberos features"
        accesskey="P">previous</a> |
      <a href="copyright.html" title="Copyright"
        accesskey="N">next</a> |
      <a href="genindex.html" title="General Index"
        accesskey="I">index</a> |
      <a href="search.html" title="Enter search criteria"
        accesskey="S">Search</a> |
      <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__MIT Kerberos License
information">feedback</a>
    </div>
  </div>
</div>

<div class="content-wrapper">
  <div class="content">
    <div class="document">

```

```
<div class="documentwrapper">
  <div class="bodywrapper">
    <div class="body" role="main">
```

```
<div class="section" id="mit-kerberos-license-information">
<span id="mitk5license"></span><h1>MIT Kerberos License information<a class="headerlink" href="#mit-
kerberos-license-information" title="Permalink to this headline"></a></h1>
```

```
<div class="toctree-wrapper compound">
</div>
```

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</ul>
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```
class="o"/></span><span class="n">mechglue</span><span class="o"/></span><span
class="n">g_utils</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">gssapi</span><span
class="o"/></span><span class="n">mechglue</span><span class="o"/></span><span
class="n">g_verify</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">gssapi</span><span
class="o"/></span><span class="n">mechglue</span><span class="o"/></span><span
class="n">gssd_pname_to_uid</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">gssapi</span><span
class="o"/></span><span class="n">mechglue</span><span class="o"/></span><span
class="n">mglueP</span><span class="o"/></span><span class="n">h</span>
<span class="n">lib</span><span class="o"/></span><span class="n">gssapi</span><span
class="o"/></span><span class="n">mechglue</span><span class="o"/></span><span
class="n">oid_ops</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">gssapi</span><span
class="o"/></span><span class="n">spnego</span><span class="o"/></span><span
class="n">gssapiP_spnego</span><span class="o"/></span><span class="n">h</span>
<span class="n">lib</span><span class="o"/></span><span class="n">gssapi</span><span
class="o"/></span><span class="n">spnego</span><span class="o"/></span><span
class="n">spnego_mech</span><span class="o"/></span><span class="n">c</span>
</pre></div>
</div>
```

<p>and the initial implementation of incremental propagation, including the following new or changed files:</p>

```
<div class="highlight-default"><div class="highlight"><pre><span></span><span class="n">include</span><span
class="o"/></span><span class="n">iprop_hdr</span><span class="o"/></span><span class="n">h</span>
<span class="n">kadmin</span><span class="o"/></span><span class="n">server</span><span
class="o"/></span><span class="n">ipropd_svc</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">kdb</span><span class="o"/></span><span
class="n">iprop</span><span class="o"/></span><span class="n">x</span>
<span class="n">lib</span><span class="o"/></span><span class="n">kdb</span><span class="o"/></span><span
class="n">kdb_convert</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">kdb</span><span class="o"/></span><span
class="n">kdb_log</span><span class="o"/></span><span class="n">c</span>
<span class="n">lib</span><span class="o"/></span><span class="n">kdb</span><span class="o"/></span><span
class="n">kdb_log</span><span class="o"/></span><span class="n">h</span>
<span class="n">lib</span><span class="o"/></span><span class="n">krb5</span><span
class="o"/></span><span class="n">error_tables</span><span class="o"/></span><span
class="n">kdb5_err</span><span class="o"/></span><span class="n">et</span>
<span class="n">kprop</span><span class="o"/></span><span class="n">kpropd_rpc</span><span
class="o"/></span><span class="n">c</span>
<span class="n">kprop</span><span class="o"/></span><span class="n">kproplog</span><span
class="o"/></span><span class="n">c</span>
</pre></div>
</div>
```

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.. parsed-literal::

```
lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
```

lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

.. parsed-literal::

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```
<title>Copyright &#8212; MIT Kerberos Documentation</title>
```

```
<link rel="stylesheet" href="_static/agogo.css" type="text/css" />
```

```
<link rel="stylesheet" href="_static/pygments.css" type="text/css" />
```

```
<link rel="stylesheet" href="_static/kerb.css" type="text/css" />
```

```
<script type="text/javascript">
```

```
var DOCUMENTATION_OPTIONS = {
```

```
    URL_ROOT:    '.',
```

```
    VERSION:    '1.17',
```

```
    COLLAPSE_INDEX: false,
```

```
    FILE_SUFFIX: '.html',
```

```
    HAS_SOURCE: true,
```

```
    SOURCELINK_SUFFIX: '.txt'
```

```
};
```

```
</script>
```

```
<script type="text/javascript" src="_static/jquery.js"></script>
```

```
<script type="text/javascript" src="_static/underscore.js"></script>
```

```
<script type="text/javascript" src="_static/doctools.js"></script>
```

```
<link rel="author" title="About these documents" href="about.html" />
```

```
<link rel="index" title="Index" href="genindex.html" />
```

```
<link rel="search" title="Search" href="search.html" />
```

```
<link rel="copyright" title="Copyright" href="#" />
```

```
<link rel="next" title="How to build this documentation from the source" href="build_this.html" />
```

```
<link rel="prev" title="MIT Kerberos License information" href="mitK5license.html" />
```

```
</head>
```

```
<body>
```

```
<div class="header-wrapper">
```

```
<div class="header">
```

```
<h1><a href="index.html">MIT Kerberos Documentation</a></h1>
```

```
<div class="rel">
```

```
<a href="index.html" title="Full Table of Contents"
```

```
accesskey="C">Contents</a> |
```

```
<a href="mitK5license.html" title="MIT Kerberos License information"
```

```
accesskey="P">previous</a> |
```

```

<a href="build_this.html" title="How to build this documentation from the source"
  accesskey="N">next</a> |
<a href="genindex.html" title="General Index"
  accesskey="I">index</a> |
<a href="search.html" title="Enter search criteria"
  accesskey="S">Search</a> |
<a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
  </div>
</div>
</div>

<div class="content-wrapper">
<div class="content">
  <div class="document">

<div class="documentwrapper">
  <div class="bodywrapper">
    <div class="body" role="main">

<div class="section" id="copyright">
<h1>Copyright<a class="headerlink" href="#copyright" title="Permalink to this headline"></a></h1>
<p>Copyright 1985-2019 by the Massachusetts Institute of
Technology and its contributors. All rights reserved.</p>
<p>See <a class="reference internal" href="mitK5license.html#mitk5license"><span class="std std-ref">MIT
Kerberos License information</span></a> for additional copyright and license
information.</p>
</div>

  </div>
</div>
</div>
</div>
  <div class="sidebar">
<h2>On this page</h2>
<ul>
<li><a class="reference internal" href="#">Copyright</a></li>
</ul>

  <br/>
<h2>Table of contents</h2>
<ul>
<li class="toctree-l1"><a class="reference internal" href="user/index.html">For users</a></li>
<li class="toctree-l1"><a class="reference internal" href="admin/index.html">For administrators</a></li>
<li class="toctree-l1"><a class="reference internal" href="appdev/index.html">For application developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="plugindev/index.html">For plugin module
developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="build/index.html">Building Kerberos V5</a></li>

```

```
<li class="toctree-l1"><a class="reference internal" href="basic/index.html">Kerberos V5 concepts</a></li>
<li class="toctree-l1"><a class="reference internal" href="formats/index.html">Protocols and file formats</a></li>
<li class="toctree-l1"><a class="reference internal" href="mitK5features.html">MIT Kerberos features</a></li>
<li class="toctree-l1"><a class="reference internal" href="build_this.html">How to build this documentation from
the source</a></li>
<li class="toctree-l1"><a class="reference internal" href="about.html">Contributing to the MIT Kerberos
Documentation</a></li>
<li class="toctree-l1"><a class="reference internal" href="resources.html">Resources</a></li>
</ul>
```

```
<br/>
```

```
<h4><a href="index.html">Full Table of Contents</a></h4>
```

```
<h4>Search</h4>
```

```
<form class="search" action="search.html" method="get">
```

```
<input type="text" name="q" size="18" />
```

```
<input type="submit" value="Go" />
```

```
<input type="hidden" name="check_keywords" value="yes" />
```

```
<input type="hidden" name="area" value="default" />
```

```
</form>
```

```
</div>
```

```
<div class="clearer"></div>
```

```
</div>
```

```
</div>
```

```
<div class="footer-wrapper">
```

```
<div class="footer" >
```

```
<div class="right" ><i>Release: 1.17</i><br />
```

```
&copy; <a href="#">Copyright</a> 1985-2019, MIT.
```

```
</div>
```

```
<div class="left">
```

```
<a href="index.html" title="Full Table of Contents"
```

```
>Contents</a> |
```

```
<a href="mitK5license.html" title="MIT Kerberos License information"
```

```
>previous</a> |
```

```
<a href="build_this.html" title="How to build this documentation from the source"
```

```
>next</a> |
```

```
<a href="genindex.html" title="General Index"
```

```
>index</a> |
```

```
<a href="search.html" title="Enter search criteria"
```

```
>Search</a> |
```

```
<a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c

lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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import os

import sys

import re

def warn(fname, ln, msg):

```

print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
            if text_seen:
                warn(fname, ln, 'License begins after first line of comment')
            elif code_seen:
                warn(fname, ln, 'License after code')
            elif nonlicense_seen:
                warn(fname, ln, 'License after non-license comments')
            break
        # DB2 licenses start with '/*-' and we don't want to change them.
        if line != " and line != '-':
            text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'^\* ([^ ]*)( - .*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'^\*.*?\*/', "", line)
            line = line.strip()

```

```

if not in_comment and '/*' in line:
    (line, sep, comment_part) = line.partition('/*')
    comment = [comment_part.strip()]
    comment_starts_at = ln
    in_comment = True
elif in_comment and '*/' not in line:
    comment.append(line.lstrip('*').rstrip())
elif in_comment:
    (comment_part, sep, line) = line.partition('*/')
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
elif line.strip() != "":
    code_seen = True

ln += 1

```

```

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

```

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=====

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1.193 tar 1.29b 2ubuntu0.1

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The End

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CAST128

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MD4

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MD5

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SHA224, SHA256, SHA384, and SHA512

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TWOFISH

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1.205 perl 5.26.1-6ubuntu0.5

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1.207 libseccomp 2.4.1 0ubuntu0.18.04.2

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1.209 procps 3.3.12-3ubuntu1.1

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```
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```

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

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```
# COPYING.other          *- org *-  
#+TITLE: List of code with permissive licenses as used by GnuPG.  
#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.214 kubernetes-client 4.6.3

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1.215 libsepol 2.7-1

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1.216 bzip2 1.0.6-8.1

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

1.217 man-pages 4.15-1

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1.218 berkeley-db 5.3.28 13.1ubuntu1.1

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jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/parsing/BeanEntry.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
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jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
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* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/DefaultBeanNameGenerator.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
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* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
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* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/serviceloader/ServiceLoaderFactoryBean.java
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* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java

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* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/RuntimeBeanReference.java
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jar/org/springframework/beans/BeanInfoFactory.java
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1.220 sqlite 3.22.0-1ubuntu0.4

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1.222 debianutils 4.8.4

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@vskip 20pt plus 1fil  
@end macro
```

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@macro copyrightstart{ }  
@end macro
```

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@macro copyrightend{ }  
@end macro
```

```
@node Copyrights and Licenses, , Acknowledgments, Top  
@comment node-name, next, previous, up  
@appendix Copyrights and Licenses
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@item KCM credential cache.

@item HDB LDAP backend.

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AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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xwd v1.0.7

xwd utility

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```

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<signature of Ty Coon>, 1 April 1989
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1.227 perl 5.26.1 6ubuntu0.3

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

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

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

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

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

repository: <http://github.com/dagolden/module-build/>

version: 3

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END OF TERMS AND CONDITIONS

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey

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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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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

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

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The End

#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

```
use strict;
```

```
use Config;
```

```
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
```

```
    skip_all( "Not all files are available during cross-compilation" );
```

```
}
```

```
my ($opt) = @ARGV;
```

```
my $readme_year = readme_year();
```

```
my $v_year = v_year();
```

```
# Check that both copyright dates are up-to-date, but only if requested, so
```

```
# that tests still pass for people intentionally working on older versions:
```

```

if ($opt eq '--now')
{
my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

open my $readme, '<', './README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
local $/ = "";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

$year;
}

```

1.228 spring-context 5.0.2.RELEASE

1.228.1 Available under license :

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 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/cache/interceptor/CacheProxyFactoryBean.java
```

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```
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 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
```

* @since 4.1

*/

Found in path(s):

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/LifecycleProcessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ScopedProxyCreator.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/MBeanExportOperations.java

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- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CacheConfig.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/DefaultEventListenerFactory.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/PercentStyleFormatter.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Scope.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/RemoteTimeoutException.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventExpressionRootObject.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/money/CurrencyUnitFormatter.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ImportResource.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/SmartLifecycle.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/ProxyAsyncConfiguration.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/YearMonthFormatter.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationEvent.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedOperation.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/config/LangNamespaceHandler.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/PeriodFormatter.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventListenerFactory.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StandardScriptEvalException.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/PayloadApplicationEvent.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedResource.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/CronTrigger.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedMetric.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ComponentScans.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedNotification.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/DurationFormatter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Role.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptEvaluator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/Lifecycle.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/MonthDayFormatter.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/MillisecondInstantPrinter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-

jar/org/springframework/context/annotation/Lazy.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/LocalDateParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/LocalTimeParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/Description.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/CustomizableThreadFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ImportSelector.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/rmi/RmiRegistryFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/support/TaskUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/DeferredImportSelector.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/FilterType.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/DateTimeParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
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- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/Jsr310DateTimeFormatAnnotationFormatterFactory.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheAspectSupport.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/ConnectorDelegate.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/Cache.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/weaving/LoadTimeWeaverAwareProcessor.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/LocalStatelessSessionProxyFactoryBean.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/BeanExpressionContextAccessor.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/LocaleContextHolder.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedResource.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CachePutOperation.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/AbstractCacheResolver.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactory.java
- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/MBeanProxyFactoryBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ScheduledTask.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/InstrumentationLoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptCompilationException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/CurrencyStyleFormatter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/Model.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiObjectTargetSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/DateFormatterRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/AnnotatedElementKey.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaDateTimeFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassPreProcessorAdapter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/annotation/DateTimeFormat.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ApplicationContextAwareProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/Task.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskScheduler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/SmartApplicationListener.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StaticScriptSource.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ModelMap.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigApplicationContextExtensions.kt

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/weaving/AspectJWeavingEnabler.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationExpressionEvaluator.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/EnableAsync.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/MethodInvokingRunnable.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCacheFactoryBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiProxyFactoryBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/NotificationListenerBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/ProxyCachingConfiguration.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/bsh/BshScriptUtils.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AdviceModeImportSelector.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheErrorHandler.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/ assembler/MethodExclusionMBeanInfoAssembler.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/money/MonetaryAmountFormatter.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/groovy/GroovyScriptFactory.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DefaultBindingErrorProcessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/ObjectError.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/LiveBeansView.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/MessageSourceSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/EmbeddedValueResolutionSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/AbstractApplicationEventMulticaster.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/NotificationListenerRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventPublicationInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DefaultMessageCodesResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/SimpleRemoteStatelessSessionProxyFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/CacheAdviceParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/SimpleValueWrapper.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Repository.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DirectFieldBindingResult.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/NumberStyleFormatter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/ assembler/AbstractConfigurableMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ConfigurableApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/DefaultManagedTaskScheduler.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/AbstractPropertyBindingResult.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/ValidationUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/support/DelegatingThemeSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/websphere/WebSphereLoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/Errors.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Component.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedNotification.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ConcurrentModel.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaTimeFormatterRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractXmlApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteExporter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/FixedRateTask.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractMessageSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/ResourceScriptSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/CronTask.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/GenericApplicationListener.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Controller.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/GenericApplicationContextExtensions.kt

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/PostProcessorRegistrationDelegate.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/MapAccessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/GenericApplicationContext.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/AbstractValueAdaptingCache.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/index/CandidateComponentsIndexLoader.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/ScriptFactoryPostProcessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/NamedCacheResolver.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ExtendedModelMap.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeContext.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/SimpleCacheManager.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheInterceptor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/AbstractCachingConfiguration.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/GenericGroovyApplicationContext.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/StaticMessageSource.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Configuration.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClass.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/FieldError.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/DateTimeFormatAnnotationFormatterFactory.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationBeanNameGenerator.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/NameMatchCacheOperationSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/EnvironmentAware.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindingResult.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/SimpleTriggerContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembly/MethodNameBasedMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/money/Jsr354NumberFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/support/BindingAwareModelMap.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/websphere/WebSphereClassPreDefinePlugin.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/WeavingTransformer.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/EnableCaching.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/BeanFactoryAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/DefaultManagedAwareThreadFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/MBeanClientInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/SimpleThreadScope.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/NotificationListenerHolder.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MBeanServerFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ProfileCondition.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeFormatterRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/support/DefaultFormattingConversionService.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/AbstractSlsbInvokerInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/support/FormattingConversionServiceFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/PeriodicTrigger.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StandardScriptFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncResult.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/AbstractRemoteSlsbInvokerInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/SimpleCacheResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AdviceMode.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DataBinder.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/annotation/NumberFormat.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ScheduledExecutorFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/DateTimeFormatterFactory.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ApplicationObjectSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassLoaderAdapter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BeanPropertyBindingResult.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/websphere/WebSphereClassLoaderAdapter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/EnvironmentAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheableOperation.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Jsr330ScopeMetadataResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/JndiRmiProxyFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AnnotationAsyncExecutionInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/bsh/BshScriptEvaluator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/CachedExpressionEvaluator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Service.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ApplicationListenerDetector.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/DateFormatter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ComponentScanAnnotationParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembly/AbstractReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConditionContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/NoOpCache.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RemoteInvocationSerializingExporter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperation.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembly/MetadataMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiObjectLocator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/StandardBeanExpressionResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/MBeanExportConfiguration.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/StaticApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MetricType.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/TriggerTask.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ApplicationEventMulticaster.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembly/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiObjectFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Condition.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/MBeanExporter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Indexed.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ContextAnnotationAutowireCandidateResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ExecutorConfigurationSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StandardScriptEvaluator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Bean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/SimpleLocaleContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/index/CandidateComponentsIndex.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaTimeContext.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/SimpleInstrumentableClassLoader.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventListenerMethodProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/SpringCacheAnnotationParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/support/FormattingConversionService.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationResult.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ConversionServiceFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/IntervalTask.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/SimpleCacheErrorHandler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventExpressionEvaluator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/LocalSlsbInvokerInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/BeanDefinitionDsl.kt

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/SimpleTimeZoneAwareLocaleContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembly/InterfaceBasedMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ScheduledTaskHolder.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/FixedDelayTask.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ParserStrategyUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ComponentScanBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/JmxUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/NullValue.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/MessageSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/CronSequenceGenerator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/AnnotationDrivenCacheBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedAttribute.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/support/BindingAwareConcurrentModel.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MBeanRegistrationSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Profile.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ThreadPoolExecutorFactoryBean.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/DelegatingMessageSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ResourceLoaderAware.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/TypeMismatchNamingException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/MessageSourceAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/MessageSourceResolvable.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiTemplate.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/SourceFilteringListener.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConditionEvaluator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/ResourceOverridingShadowingClassLoader.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/SimpleRemoteSlsbInvokerInterceptor.java

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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/BasicOperation.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncConfigurationSelector.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/FormatterRegistry.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachingConfigurer.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/TaskManagementConfigUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/annotation/Validated.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/AnnotationFormatterFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/PropertySources.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/CacheManagementConfigUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/CacheManager.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachingConfigurerSupport.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationInvocationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationContext.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaTimeConverters.java

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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/MessageCodesResolver.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/AbstractNumberFormatter.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/HierarchicalThemeSource.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindingErrorProcessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/DefaultRemoteInvocationFactory.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/ContextNamespaceHandler.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/UriBasedRemoteAccessor.java

* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-

jar/org/springframework/jmx/MBeanServerNotFoundException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/RemoteLookupFailureException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ScopeMetadata.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/ContextRefreshedEvent.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/naming/SelfNaming.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/config/SchedulerBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/RemoteConnectFailureException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ejb/config/JeeNamespaceHandler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/DependsOn.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ui/context/ThemeSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scripting/support/RefreshableScriptTargetSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/assembly/AutodetectCapableMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/support/ObjectNameManager.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scripting/ScriptSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/MBeanExporterListener.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/LiveBeansViewMBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/Validator.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ui/context/Theme.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/support/RemotingSupport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ui/context/support/UiApplicationContextUtils.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/ContextStartedEvent.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-

jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/RemoteInvocationFailureException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/ApplicationContextEvent.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ui/context/support/SimpleTheme.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/MessageCodeFormatter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ejb/config/LocalStatelessSessionBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/soap/SoapFaultException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/EnableMBeanExport.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/ApplicationContextAware.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationBasedAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/ejb/access/EjbAccessException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/notification/ModelMBeanNotificationPublisher.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/rmi/RmiClientInterceptor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jndi/JndiLookupFailureException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/expression/BeanFactoryResolver.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/rmi/RmiInvocationHandler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/SchedulingAwareRunnable.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/weaving/LoadTimeWeaverAware.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/ContextClosedEvent.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-

jar/org/springframework/context/Phased.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/ assembler/MBeanInfoAssembler.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/metadata/JmxAttributeSource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
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jar/org/springframework/context/HierarchicalMessageSource.java
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jar/org/springframework/scheduling/SchedulingException.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/FormatterRegistrar.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/rmi/CodebaseAwareObjectInputStream.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/rmi/RmiBasedExporter.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheEvictOperation.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ComponentScan.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachePut.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/EnableAspectJAutoProxy.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/SimpleKey.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ModelMapExtensions.kt
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ModelExtensions.kt

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/**
* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
* reference through WebSphere's proprietary {@code AdminServiceFactory} API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the {@code MBeanServer} for bean references.
* This FactoryBean is a direct alternative to {@link MBeanServerFactoryBean},
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
*
* <p>See the javadocs for WebSphere's
* {@code AdminServiceFactory}
* and {@code MBeanFactory}.
*
*/

```
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/
```

Found in path(s):

```
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
```

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```
*/
```

```
/**
```

```
* Indicates that a component is only eligible for registration when all
```

```
* { @linkplain #value specified conditions } match.
```

```
*
```

```
* <p>A <em>condition</em> is any state that can be determined programmatically
```

```
* before the bean definition is due to be registered (see { @link Condition } for details).
```

```
*
```

```
* <p>The { @code @Conditional } annotation may be used in any of the following ways:
```

```
* <ul>
```

```
* <li>as a type-level annotation on any class directly or indirectly annotated with
```

```
* { @code @Component }, including { @link Configuration @Configuration } classes</li>
```

```
* <li>as a meta-annotation, for the purpose of composing custom stereotype
```

```
* annotations</li>
```

```
* <li>as a method-level annotation on any { @link Bean @Bean } method</li>
```

```
* </ul>
```

```
*
```

```
* <p>If a { @code @Configuration } class is marked with { @code @Conditional },
```

```
* all of the { @code @Bean } methods, { @link Import @Import } annotations, and
```

```
* { @link ComponentScan @ComponentScan } annotations associated with that
```

```
* class will be subject to the conditions.
```

```
*
```

- * `NOTE`: Inheritance of { `@Conditional` } annotations
- * is not supported; any conditions from superclasses or from overridden
- * methods will not be considered. In order to enforce these semantics,
- * { `@Conditional` } itself is not declared as
- * { `@link java.lang.annotation.Inherited @Inherited` }; furthermore, any
- * custom `composed annotation` that is meta-annotated with
- * { `@Conditional` } must not be declared as { `@Inherited` }.
- *
- * `@author Phillip Webb`
- * `@author Sam Brannen`
- * `@since 4.0`
- * `@see Condition`
- */

Found in path(s):

- * /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Conditional.java

1.229 errors 0.9.1

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1.230 zjsonpatch 0.3.0

1.231 libpng 1.6.35

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- *
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#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
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src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
```

```
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
```

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1.240 jakarta activation api 1.2.1

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1.241 ncurses 6.1-1ubuntu1.18.04

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Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- vile: txtmode file-encoding=utf-8

This is the Debian prepackaged version of the ncurses library and terminfo utilities. ncurses/terminfo was originally written by Pavel Curtis and Zeyd M. Ben-Halim <zmbenhal@netcom.com>, and is currently held by the Free Software Foundation.

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It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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-- vile:txtmode fc=72

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This package is used for testing builds of ncurses.

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-- vile: txtmode file-encoding=utf-8

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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Files: alocal.m4 package

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Files: install-sh

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Calling this script `install-sh` is preferred over `install.sh`, to prevent `make` implicit rules from creating a file called `install` from it when there is no `Makefile`.

This script is compatible with the BSD `install` script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's `install` programs.

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'`

-- vile: txtmode file-encoding=utf-8

1.242 okio 1.15.0

1.243 grpc-go 1.30.0

1.243.1 Available under license :

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1.244 rtmpdump 2.4+20151223.gitfa8646d.1 1

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@c ispell-local-pdict: "ispell-dict"
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1.247 ini 1.51.0

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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.6 of 6 September 2010

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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1.250 curl 7.58.0 2ubuntu3.7

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License Mixing

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libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

libcurl

Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

GnuTLS

(May be used for SSL/TLS support) Uses the

[LGPL](<https://www.gnu.org/licenses/lgpl.html>) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

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BoringSSL

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libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

GNU GSS

(May be used for GSS support) GNU GSS is GPL licensed. Note that you may not distribute binary curl packages that uses this if you build curl to also link and use any Original BSD licensed libraries!

libidn

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.
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1.251 opentracing-go 1.1.0

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Version 2.0, January 2004

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1.252 audit 2.8.2-1ubuntu1.1

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Version 2.1, February 1999

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1.253 go-toml 1.8.1

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