



Open Source Used In Session Management Function Software 2024.01.0.i142

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1.1 libjpeg 6b

1.1.1 Notifications :

This software is based in part on the work of the Independent JPEG Group.

1.1.2 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.
coderrules.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

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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.

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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://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](ftp://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/>. 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.

1.2 resourcelocator 1.0.1

1.2.1 Available under license :

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* @version 1.0
* @author Mikael Grev, MiG InfoCom AB
* Date: 2006-sep-08
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```
* /opt/cola/permits/117692136_1695289078.9935892/0/miglayout-3-5-5-sources-
jar/net/miginfocom/layout/LayoutUtil.java
```

* /opt/cola/permits/117692136_1695289078.9935892/0/miglayout-3-5-5-sources-jar/net/miginfocom/swing/SwingComponentWrapper.java
*
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* /opt/cola/permits/117692136_1695289078.9935892/0/miglayout-3-5-5-sources-jar/net/miginfocom/layout/AC.java
*
/opt/cola/permits/117692136_1695289078.9935892/0/miglayout-3-5-5-sources-jar/net/miginfocom/layout/PlatformDefaults.java
* /opt/cola/permits/117692136_1695289078.9935892/0/miglayout-3-5-5-sources-jar/net/miginfocom/layout/IDEUtil.java
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* @version 1.0
* @author Mikael Grev, MiG InfoCom AB
*   Date: 2006-sep-08
*/
/** Returns the absolute positioning of one or more of the edges. This will be applied last in the layout cycle and
will not
* affect the flow or grid positions. The positioning is relative to the parent
and can not (as padding) be used
* to adjust the edges relative to the old value. May be <code>null</code> and elements may be <code>null</code>.
* <code>null</code> value(s) for the x2 and y2 will be interpreted as to keep the preferred size and thus the x1
* and x2 will just absolutely positions the component.
* <p>
* Note that { @link #setBoundsInGrid(boolean) } changes the interpretation of thisproperty slightly.
* <p>
* For a more thorough explanation of what this constraint does see the white paper or cheat Sheet at

```

www.migcomponents.com.

* @return The current value as a new array, free to modify.

*/

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*

* @version 1.0

* @author Mikael Grev, MiG InfoCom AB

* Date: 2006-sep-08

*/

/** Returns the gaps as pixel values.

* @param parent The parent. Used to get the pixel values.
* @param defGap The default gap to use if there is no gap set on this object (i.e. it is null).
* @param
refSize The reference size used to get the pixel sizes.
* @param before IF it is the gap before rather than the gap after to return.
* @return The [min,preferred,max] sizes for the specified gap. Uses { @link
net.miginfo.com.layout.LayoutUtil#NOT_SET}
* for gap sizes that are `null`. Returns `null` if there was no gap specified. A new and
free to use array.
*/

Found in path(s):

* /opt/cola/permits/117692136_1695289078.9935892/0/miglayout-3-5-5-sources-
jar/net/miginfo.com/layout/DimConstraint.java

1.6 commons-collections 3.2.2

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1.7 taglibs-standard-spec 1.2.5

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1.8 metrics 2.2.0

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* /opt/cola/permits/161214140_1695312241.3082175/0/paranamer-2-8-sources-jar/com/thoughtworks/paranamer/AdaptiveParanamer.java

*


```
/opt/cola/permits/161214140_1695312241.3082175/0/paranamer-2-8-sources-  
jar/com/thoughtworks/paranamer/ParameterNamesNotFoundException.java  
* /opt/cola/permits/161214140_1695312241.3082175/0/paranamer-2-8-sources-  
jar/com/thoughtworks/paranamer/CachingParanamer.java
```

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jar/org/intellij/lang/annotations/Identifier.java  
* /opt/cola/permits/173667507_1695324641.7896898/0/annotations-13-0-sources-  
jar/org/intellij/lang/annotations/Pattern.java  
* /opt/cola/permits/173667507_1695324641.7896898/0/annotations-13-0-sources-  
jar/org/intellij/lang/annotations/Language.java  
*
```

```
/opt/cola/permits/173667507_1695324641.7896898/0/annotations-13-0-sources-  
jar/org/intellij/lang/annotations/PrintFormat.java  
* /opt/cola/permits/173667507_1695324641.7896898/0/annotations-13-0-sources-  
jar/org/intellij/lang/annotations/RegExp.java  
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jar/org/jetbrains/annotations/Nullable.java
* /opt/cola/permits/173667507_1695324641.7896898/0/annotations-13-0-sources-
jar/org/jetbrains/annotations/NonNls.java
*

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1.14 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

1.15 jaxb-core 2.3.0

1.16 failureaccess 1.0.1

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1.18 hk2-locator 2.5.0

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zip/com/zaxxer/hikari/pool/ProxyPreparedStatement.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/pool/ProxyCallableStatement.java
 *
 /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/UtilityElf.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/PropertyElf.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/HikariDataSource.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/HikariPoolMXBean.java
 * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/HikariConfigMXBean.java
```

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- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/HikariConfig.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/FastList.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/pool/ProxyLeakTask.java
- *
- /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/pool/ProxyResultSet.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/pool/ProxyConnection.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/DriverDataSource.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/pool/ProxyFactory.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/ConcurrentBag.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/SuspendResumeLock.java
- * /opt/cola/permits/203480980_1651176812.86/0/hikaricp-java7-2-4-13-sources-
zip/com/zaxxer/hikari/util/JavassistProxyFactory.java

1.28 javax-ws-rs-api 2.1.1

1.29 bzip2 1.0.8

1.30 spf13-pflag 1.0.3

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1.31 commons-beanutils 1.9.4

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1.32 fonts-dejavu 2.37-1

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1.33 jaxb-api 2.3.1

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1.41 afero 1.1.2

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1.42 golang-protobuf-extensions 1.0.1

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1.45 ghodss-yaml 1.0.0

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1.48 go-humanize 1.0.0

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1.49 bean-validation-api 2.0.1.Final

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tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.

Version: 1.1.2

Entered-date: 23MAR97

Description: C-functions for parsing command line options, both
traditional one-character options, and GNU'ish
--long-options.

Keywords: programming, library, lib, commandline, options

Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)

Primary-site: <http://www.ifi.uio.no/~sverrehu/pub-unix/>

Alternate-site: [sunsite.unc.edu /pub/Linux/libs](http://sunsite.unc.edu/pub/Linux/libs)

[shhopt-1.1.2.tar.gz](#)

Platforms: Requires ANSI C-compiler.

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1.51 net-tools 1.60+git20180626.aebd88e- 1ubuntu1

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1.53 coreutils 8.30-3ubuntu2

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Files:

include/bsd/sys/tree.h

man/fparseln.3bsd

src/fparseln.c

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Files:

include/bsd/readpassphrase.h

man/readpassphrase.3bsd

man/strncpy.3bsd

man/strtonum.3bsd

src/arc4random.c

src/arc4random_linux.h

src/arc4random_openbsd.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/arc4random_win.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
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src/strncpy.c

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Files:

src/inet_net_pton.c

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src/setproctitle.c

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src/hash/md5.c

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Files:

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src/chacha_private.h

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Files:

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src/hash/md5hl.c

src/hash/helper.c

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1.57 libxau 1.0.9-0ubuntu1

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```

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```
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```

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1.59 linux-atm 2.5.1-4

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```
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```

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

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* Marko Kiiskila carnil@cs.tut.fi

*

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1.60 libxmu 1.1.3-Ubuntu1

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1.61 xauth 1.1-0ubuntu1

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1.62 libxext 1.3.4-0ubuntu1

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1.64 jsp 2.3.FR

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1.65 slf4j 1.7.26

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<head>
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
<title>SLF4J License</title>
<link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
</head>
```

```
<body>
  <script type="text/javascript">prefix=";</script>

  <script src="templates/header.js" type="text/javascript"></script>
  <div id="left">
    <script src="templates/left.js" type="text/javascript"></script>
  </div>
  <div id="right">
    <script src="templates/right.js" type="text/javascript"></script>
  </div>

  <div id="content">
```

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`<script src="templates/footer.js" type="text/javascript"></script>`

`</div>`

`</body>`

`</html>`

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1.66 jansson 2.12-1build1

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audio-channel-front-right

audio-channel-rear-center

audio-channel-rear-left

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1.69 giflib 5.2.1

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1.70 gpm 1.20.7-5

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1.71 zap 1.13.0

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1.72 gorilla 1.7.3

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1.73 kr-fs 0.1.0

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1.74 pkg-sftp 1.10.1

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1.75 libxrender 0.9.10-1

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1.76 libxtst 1.2.3-1

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1.77 slf4j 1.7.30

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1.81 go-colortext 1.0.0

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1.82 flowrate 0.0.0-20140419014527-cca7078d478f

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1.83 pyasn1-modules 0.2.8

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1.84 urllib3 1.25.8

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Contributions to the urllib3 project

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In chronological order:

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- * HTTPS patch (which inspired HTTPSConnectionPool)

- * erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- * NTLM-authenticated HTTPSConnectionPool
- * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

- * niphlod <niphlod@gmail.com>
- * Client-verified SSL certificates for HTTPSConnectionPool
- * Response gzip and deflate encoding support
- * Better unicode support for filepost using StringIO buffers

- * btoconnor <brian@btoconnor.net>
- * Non-multipart encoding for POST requests

- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
- * Code review, PEP8 compliance, benchmark fix

- * kennethreitz <me@kennethreitz.com>
- * Bugfixes, suggestions, Requests integration

- * georgemarshall <<https://github.com/georgemarshall>>
- * Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
- * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
- * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
- * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
- * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
- * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
- * Support for TLS SNI
- * API unification of ssl_version/cert_reqs
- * SSL fingerprint and alternative hostname verification
- * Bugfixes in testsuite

- * Sune Kirkeby <mig@ibofobi.dk>
- * Optional SNI-support for Python 2 via PyOpenSSL.

- * Marc Schlaich <marc.schlaich@gmail.com>
- * Various bugfixes and test improvements.

- * Bryce Boe <bbzbryce@gmail.com>
- * Correct six.moves conflict
- * Fixed pickle support of some exceptions

- * Boris Figovsky <boris.figovsky@ravellosystems.com>
- * Allowed to skip SSL hostname verification

- * Cory Benfield
<<https://lukasa.co.uk/about/>>
- * Stream method for Response objects.
- * Return native strings in header values.
- * Generate 'Host' header when using proxies.

- * Jason Robinson <jaywink@basshero.org>
- * Add missing WrappedSocket.fileno method in PyOpenSSL

- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- * Fixed a race condition

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- * Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>

- * `HTTPResponse.tell()` for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
 - * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <https://dbrgn.ch/>
 - * Disabled TLS compression by default on Python 3.2+
 - * Disabled TLS compression in `pyopenssl` contrib module
 - * Configurable cipher suites in `pyopenssl` contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
 - * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
 - * Use the platform-specific CA certificate locations

- * Josh Schneier <https://github.com/jschneier>
 - * `HTTPHeaderDict` and associated tests and docs
 - * Bugfixes, docs, test coverage

- * Tahia Khan <http://tahia.tk/>
 - * Added Timeout examples in docs

- * Arthur Grunseid <https://grunseid.com>
 - * `source_address` support and tests (with <https://github.com/bui>)

- * Ian Cordasco <graffatcolmingov@gmail.com>
 - * PEP8 Compliance and Linting
 - * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
 - * Support for standard library `io` module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
 - * Google App Engine documentation

- * Aaron Meurer
<asmeurer@gmail.com>
 - * Added `Url.url`, which unparses a `Url`

- * Evgeny Kapun <abacabadabacaba@gmail.com>
 - * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
 - * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
 - * Support for using `ConnectionPool` and `PoolManager` as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.

- * tlynn <https://github.com/tlynn>
- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
- * IPv6 bugfixes in testsuite

- * Thea Flowers <magicalgirl@google.com>
- * App Engine environment tests.
- * Documentation re-write.

- * John Krauss <https://github.com/talos>
- * Clues to debugging problems with `cryptography` dependency in docs

- * Disassem <https://github.com/Disassem>
- * Fix pool-default headers not applying for url-encoded requests like GET.

- * James Atherfold <jlatherfold@hotmail.com>
- * Bugfixes relating to cleanup of connections during errors.

- * Christian Pedersen <https://github.com/chripede>
- * IPv6 HTTPS proxy bugfix

- * Jordan Moldow <https://github.com/jmoldow>
- * Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- * Bugfix for ``ConnectionPool.urlopen(release_conn=False)``.
- * Creation of ``HTTPConnectionPool.ResponseCls``.

- * Predrag Gruevski <https://github.com/obi1kenobi>
- * Made cert digest comparison use a constant-time algorithm.

- * Adam Talsma <https://github.com/a-tal>
- * Bugfix to ca_cert file paths.

- * Evan Meagher <https://evanmeagher.net>
- * Bugfix related to `memoryview` usage in PyOpenSSL adapter

- * John Vandenberg <jayvdb@gmail.com>
- * Python 2.6 fixes; pyflakes and pep8 compliance

- * Andy Caldwell <andy.m.caldwell@googlemail.com>

- * Bugfix related to reusing connections in indeterminate states.

- * Ville Skytt <ville.skytta@iki.fi>
 - * Logging efficiencyimprovements, spelling fixes, Travis config.

- * Shige Takeda <smtakeda@gmail.com>
 - * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jess Shapiro <jesse@jesseshapiro.net>
 - * Various character-encoding fixes/tweaks
 - * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <http://dafoster.net/>
 - * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
 - * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
 - * History list to Retry object.
 - * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
 - * Ensure timeouts are not booleans and greater than zero.
 - * Fixed infinite loop in ``stream`` when amt=None.
 - * Added length_remaining to determine remaining data to be read.
 - * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
 - * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
 - * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
 - * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
 - * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
 - * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
 - * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>

- * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai
(through Jess Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance; 2017-2018

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header
regardless of case when redirecting to cross-site

- * James Meickle <https://permadeath.com/>
- * Improve handling of Retry-After header

- * Chris Jerdonek <chris.jerdonek@gmail.com>
- * Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.85 coreos-semver 0.3.0

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object

code for the work under the terms of Section 6.

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

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

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1.97 libogg 1.3.4-0ubuntu1

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Subject: Re: Distributing the libogg RFCs in the Debian package
To: Ron <ron@debian.org>

Cc: Christopher Montgomery <monty@xiph.org>,
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1.100 libxcb 1.14-2

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```

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

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1.105 vixie-cron 3.0pl1-136ubuntu1

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```

Found in path(s):

```

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/popen.c

```

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.\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
.\"

```

Found in path(s):

```

*

```


/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.1

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* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

Found in path(s):

```
*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.h
*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/pathnames.h
*
```

/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/externs.h

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.\" * I'll try to keep a version up to date. I can be reached as follows:
.\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"
```

Found in path(s):

*
/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.8
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* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL

to be /usr/bin/sendmail even though sendmail is installed in /usr/lib.
you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created.
Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src  
crontab -u news -r /usr/lib/news/crontab.src  
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/INSTALL

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*

* @(#)bitstring.h 5.2

(Berkeley) 4/4/90

*/

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/bitstring.h

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```
# * user.  
# *  
# * Send bug reports, bug fixes, enhancements, requests, flames, etc., and  
# * I'll try to keep a version up to date. I can be reached as follows:  
# * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul  
# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta

was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)
kill your existing cron process
(actually you can run your existing cron if you want, but why?)
build new crontabs using /usr/lib/{crontab,crontab.local}
(either put them all in "root"'s crontab, or divide it up
and rip out all the 'su' commands, collapse the lengthy
lists into
ranges with steps -- basically, this step is
as much work as you want to make it)
start up the new cron
(must be done as root)
watch it. test it with 'crontab -r' and watch the daemon track your
changes.
if you like it, change your /etc/{rc,rc.local} to use it instead of
the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/README

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

```
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.\" * user.
.\" *
.\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\" * I'll try to keep a version up to date. I can be reached as follows:
.\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
.\"
```

Found in path(s):

*

/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.5

1.106 rcrowley-go-metrics 0.0.0-20190706150252-9beb055b7962

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1.107 go-grpc-prometheus 1.2.0

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1.108 quartz 2.3.2

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1.109 pierrec-iz4 2.2.6+incompatible

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1.110 gorilla 1.7.4

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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#

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DanB <danb@cgrates.org>

David Wilkie <dwilkie@gmail.com>

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compiler/cpp/src/generate/t_xsd_generator.cc

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compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thrift.ll
compiler/cpp/src/thrift.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
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Go support for Protocol Buffers - Google's data interchange format

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Support for streaming Protocol Buffer messages for the Go language (golang).

https://github.com/matttproud/golang_protobuf_extensions

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Protocol Buffers for Go with Gadgets

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

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<https://github.com/golang/protobuf>

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1.111 c3p0 0.9.5.4

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1.112 commons-lang3 3.8.1

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1.113 thrift 0.13.0

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1.114 logrus 1.6.0

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1.115 uitable 0.0.4

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1.116 xiang90-probing 0.0.0-20190116061207-43a291ad63a2

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1.117 go-humanize 0.0.0-20171111073723-bb3d318650d4

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1.118 gorilla 1.4.2

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1.119 gopsutil 2.20.5+incompatible

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1.120 libpsl 0.21.0-1ubuntu1

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1.121 libtool 2.4.6-14

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1.132 acl 2.2.53-6

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1.133 sed 4.7-1

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1.134 libffi 3.3-4

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```

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

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1.135 base-passwd 3.5.47

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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.

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

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

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

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Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: base-passwd

Upstream-Contact: Colin Watson <cjwatson@debian.org>

Files: *

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/*

Copyright: Copyright 2001, 2002 Joey Hess

Copyright 2002, 2003, 2004, 2005, 2007 Colin Watson

Copyright 2007 David Mandelberg

License: GPL-2

License: GPL-2

On Debian and Debian-based systems, a copy of the GNU General Public

License version 2 is available in /usr/share/common-licenses/GPL-2.

1.136 bzip2 1.0.8-2

1.136.1 Available under license :

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.137 cracklib 2.9.6-3.2

1.137.1 Available under license :

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Version 2.1, February 1999

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can use it too, but we suggest you first think carefully about whether
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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 such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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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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will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a

clarification of the licensing that was already in place.=20

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

>> it was enough to just get it consistent and documented as to what

> it was

>> released under. This wasn't actually a license change, just a

>> clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was

> not

> GPL-2 ... it was a modified artistic license ... i didnt notice the

> license

> change until it was mentioned in the latest notes.

>=20

> unlike the old license, GPL-2 prevents people from using cracklib

> unless their

> applications are also GPL-2 which imo is just wrong. it isnt the

> place of a

> library

to dictact to application writes what license they should

- > be using.
- > thus LGPL-2.1 enters to fill this void.
- > -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

- > Seems like the ideal thing here would be for you and the other distro
- > maintainers to get together with Alec in a conversation and come to a
- > decision as to what licensing scheme y'all want. I haven't really done
- > much other than cleaning up the packaging and patches and a small
- > bit of
- > additional code, so whatever licensing y'all come up with is fine
- > by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I

think it is in everyone's

best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

- >> Seems like the ideal thing here would be for you and the other distro
- >> maintainers to get together with Alec in a conversation and come to a
- >> decision as to what licensing scheme y'all want. I haven't really done
- >> much other than cleaning up the packaging and patches and a small

>> bit of
>> additional
code, so whatever licensing y'all come up with is fine
>> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
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>>> additional code, so whatever licensing y'all come up with is fine
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>> linked with any code, not just GPL...
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> timeframe.

>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using
the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?
-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From
alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from
[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license

Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.138 go-md2man 2.0.0

1.138.1 Available under license :

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1.139 less 551-1ubuntu0.1

1.139.1 Available under license :

Less License

Less

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Version 3, 29 June 2007

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The

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1.140 apr 1.6.5-1ubuntu1

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c,

include/apr_strings.h:

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

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From

strings/apr_sprintf.c:

*

* cvt - IEEE floating point formatting routines.

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1.141 lua 5.2.4-1.1build3

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1.142 libxi 1.7.10-0ubuntu1

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1.143 cdebconf 0.251ubuntu1

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CDebConf includes ideas and code from:

debconf - The original, de facto, perl implementation

(c) Joey Hess <joeyh@debian.org>

apt - The Debian Advanced Package Tool

(c) Jason Gunthorpe <jgg@debian.org>

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1.144 tcl 8.6.10+dfsg-1

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1.145 oniguruma 6.9.4-1

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1.146 commons-io 2.7

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1.147 bcpkix-fips 1.0.3

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```
/**
 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 *
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1093422976_1600923322.73/0/bcpkix-fips-1-0-3-sources-1-
jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java
```


1.148 jctools-core 3.1.0

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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/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
```

```
  <artifactId>jctools-core</artifactId>
  <groupId>org.jctools</groupId>
  <version>3.1.0</version>
  <name>Java Concurrency Tools Core Library</name>
  <description>Java Concurrency Tools Core Library</description>
  <packaging>bundle</packaging>
```

```
  <dependencies>
    <dependency>
      <groupId>org.hamcrest</groupId>
      <artifactId>hamcrest-all</artifactId>
      <version>${hamcrest.version}</version>
      <scope>test</scope>
    </dependency>
```

```
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>${junit.version}</version>
      <scope>test</scope>
    </dependency>
```

```
    <dependency>
      <groupId>com.google.guava</groupId>
      <artifactId>guava-testlib</artifactId>
      <version>${guava-testlib.version}</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
```

```
  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-surefire-plugin</artifactId>
        <version>3.0.0-M3</version>
        <configuration>
          <includes>
```

```

    <include>*/</include>
  </includes>
</configuration>
</plugin>
<plugin>
  <groupId>org.apache.felix</groupId>
  <artifactId>maven-bundle-plugin</artifactId>
  <version>4.2.1</version>
  <extensions>>true</extensions>
  <configuration>
    <instructions>
      <Import-Package>sun.misc;resolution:=optional</Import-Package>
    </instructions>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.2.0</version>
  <executions>
    <execution>
      <id>attach-sources</id>
      <phase>verify</phase>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
  <configuration>
    <additionalOptions>
      <additionalOption>-Xdoclint:none</additionalOption>
    </additionalOptions>
    <source>8</source>
  </configuration>
  <executions>
    <execution>
      <id>attach-javadocs</id>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```
</plugins>
</build>

<distributionManagement>
  <repository>
    <id>bintray-jctools-jctools</id>
    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>
  </repository>
</distributionManagement>

<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

<licenses>
  <license>
    <name>Apache
License, Version 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    <distribution>repo</distribution>
  </license>
</licenses>

<scm>
  <url>https://github.com/JCTools/JCTools</url>
  <connection>scm:git:https://github.com/JCTools/JCTools</connection>
  <tag>HEAD</tag>
</scm>

<developers>
  <developer>
    <url>https://github.com/nitsanw</url>
  </developer>
  <developer>
    <url>https://github.com/mjpt777</url>
  </developer>
  <developer>
    <url>https://github.com/RichardWarburton</url>
  </developer>
  <developer>
    <url>https://github.com/kay</url>
  </developer>
  <developer>
    <url>https://github.com/franz1981</url>
  </developer>
</developers>

<prerequisites>
```

```

<maven>3.5.0</maven>
</prerequisites>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<java.version>1.6</java.version>
<java.test.version>1.8</java.test.version>

<maven.compiler.source>${java.version}</maven.compiler.source>
<maven.compiler.target>${java.version}</maven.compiler.target>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>

```

Found

in path(s):

* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/spec/Ordering.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpSCUnboundedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpMCAtomicArrayQueue.java
*

```

/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MessagePassingQueueUtil.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/util/UnsafeJvmInfo.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/SpSCLinkedQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/spec/Preference.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
*
/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MessagePassingQueueUtil.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/SupportsIterator.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MpscGrowArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/BaseSpSCLinkedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/AtomicQueueFactory.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MpmcArrayQueue.java
*
/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpSCAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpSCLinkedAtomicQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/SpMCArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/maps/AbstractEntry.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MpmcUnboundedXaddChunk.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/MpscChunkedArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/maps/NonBlockingHashMapLong.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/MpscChunkedAtomicArrayQueue.java

```

*
/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/UnsafeLongArrayAccess.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingHashMap.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/BaseMpscLinkedArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/MpscGrowableAtomicArrayQueue.java
*
/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingIdentityHashMap.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/BaseLinkedQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/InternalAPI.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingHashSet.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/Pow2.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/spec/ConcurrentQueueSpec.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/SpSCChunkedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/ConcurrentAutoTable.java
*
/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/MpscUnboundedXaddChunk.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/LinkedQueueNode.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/SpSCUnboundedArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/util/PortableJvmInfo.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/queues/ConcurrentCircularArrayQueue.java
* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
jar/org/jctools/maps/NonBlockingSetInt.java
*

```

/opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscLinkedQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/util/UnsafeRefArrayAccess.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscCompoundQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/SpSCChunkedArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/SpSCArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/AtomicReferenceArrayQueue.java
 *
 /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/QueueFactory.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/util/UnsafeAccess.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/MpscUnboundedArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/SpSCGrowtableAtomicArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/IndexedQueueSizeUtil.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/atomic/MpscLinkedAtomicQueue.java
 *
 /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/SpSCGrowtableArrayQueue.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/util/RangeUtil.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/package-info.java
 * /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-
 jar/org/jctools/queues/BaseSpSCLinkedArrayQueue.java

1.149 commons-lang3 3.1

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1.150 jackson-jaxrs-base 2.9.9

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1.151 berkeley-db 5.3.28+dfsg1-0.6ubuntu2

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1.154 properties 1.8.4

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1.155 httpcomponents-client 4.5.13

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""""

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

""""

```
import io, sys
from setuptools import setup
```

```

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
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            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
        'test_suite': 'tests',
    }

    setup(**arguments)

if __name__ == '__main__':
    main()

```

Found in path(s):

* /opt/cola/permits/1110810307_1606855956.29/0/kjd-idna-v2-8-0-g1cdf175-1-tar-gz/kjd-idna-375dc46/setup.py

1.161 appdirs 1.4.3

1.161.1 Available under license :

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1.162 pyparsing 2.4.6

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1.163 pyasn1 0.4.8

1.163.1 Available under license :

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Metadata-Version: 1.2

Name: pyasn1

Version: 0.4.8

Summary: ASN.1 types and codecs

Home-page: <https://github.com/etingof/pyasn1>

Author: Ilya Etingof

Author-email: etingof@gmail.com

Maintainer: Ilya Etingof <etingof@gmail.com>

License: BSD

Description: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Education

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

Classifier: Intended Audience :: Telecommunications Industry

Classifier: License :: OSI Approved :: BSD License

Classifier: Natural Language :: English

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.4

Classifier:

Programming Language :: Python :: 2.5

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.2

Classifier: Programming Language :: Python :: 3.3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Classifier: Topic :: Communications

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):

```
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/PKG-INFO
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1.egg-info/PKG-INFO
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```

```
# License: http://snmplabs.com/pyasn1/license.html
```

Found in path(s):

```
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/ber/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/test_debug.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/dateandtime.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/ber/test_encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/native/encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/native/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_constraint.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/integer.py
*
/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/namedval.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/constraint.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/tagmap.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/base.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_namedval.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_opentype.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/base.py
*
/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/debug.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_integer.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/error.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/cer/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_char.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/setup.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/der/decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_tag.py
*
/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/der/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_binary.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/namedtype.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/useful.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_useful.py
```

* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/__main__.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/string.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/cer/test_decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/univ.py
*
/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/cer/decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/test_octets.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/ber/eoo.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/der/test_encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/calling.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/ber/test_decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/native/decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/der/encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/cer/encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_univ.py
*
/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/cer/test_encoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/der/test_decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/tag.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/error.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/char.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/native/test_decoder.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/binary.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/opentype.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/compat/octets.py
*
/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test_namedtype.py
* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/native/test_encoder.py

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ASN.1 library for Python

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/
[![Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
[![Coverage
Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1)
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blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

*

- Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.4 up to Python 3.7
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
),
```

```

 DefaultedNamedType(
 'house',
 Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
)
...

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123

```

```

room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...

```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
...

```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If

something does not work as expected,

[open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or

post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>)

or try browsing pyasn1

[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/README.md

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.. _license:

License

=====

.. include:: ../../LICENSE.rst

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ASN.1 library for Python

=====

.. toctree::

:maxdepth: 1

Abstract Syntax Notation One (ASN.1

<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <<https://pypi.org/project/pyasn1/>>_ library implements ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and became a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <<https://news.ycombinator.com/item?id=8871453>> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <<https://developers.google.com/protocol-buffers/>> or `FlatBuffers` <<https://google.github.io/flatbuffers/>>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- * Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- * Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.
- * Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- * Signaling standards for the public switched telephone network (SS7 family)
- * Network management standards (SNMP, CMIP)
- * Directory standards (X.500 family, LDAP)
- * Public Key Infrastructure standards (X.509, etc.)
- * PBX control (CSTA)
- * IP-based Videoconferencing (H.323 family)
- * Biometrics (BIP, CBEFF, ACBio)
- * Intelligent transportation (SAE J2735)
- * Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the `statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_`` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

```
.. toctree::
  :maxdepth: 2

  /pyasn1/contents
```

Use case

```
.. toctree::
  :maxdepth: 2

  /example-use-case
```

Download & Install

```
.. toctree::
  :maxdepth: 2

  /download
```

Changes

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

..

toctree::

:maxdepth: 1

/changelog

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.. toctree::

:maxdepth: 2

/license

Getting help

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>` _ and `PRs` <<https://github.com/etingof/pyasn1/pulls>>` _ at GitHub.

Alternatively, you could ask for help at

`Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>` _ or search

`pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>` _ mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems` <<http://www.oss.com/asn1/dubuisson.html>>` _ by Olivier Dubuisson

* `ASN.1 Complete` <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` _ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU standards`

<<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>`_

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>`_
by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

Found in path(s):

* /opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/docs/source/contents.rst

1.164 packaging 19.2

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1.165 queue 1.1.0

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1.166 viper 1.7.1

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1.167 jackson-xc 2.9.8

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1.168 lockfile 0.12.2

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1.169 gopacket 1.1.19

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1.170 cron 3.0pl1-136ubuntu1

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*
* Send bug reports, bug fixes, enhancements, requests, flames, etc., and
* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by

Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows `_PATH_SENDMAIL` to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the ``crontab'` command to install all the little pieces you just created. Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another ``crontab -r'` command. (2) The crontab command will affect the crontab of the person using the command unless ``-u USER'` is given; ``-u'` only works for root. When using most ``su'` commands under most BSD's, ``crontab'` will still think of you as yourself even though you may think of yourself as root -- so use ``-u'` liberally. (3) the ``-r'` option stands for ``replace'`; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do ``ps aux'` and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no `'&'` is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in

any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/INSTALL
No license file was found, but licenses were detected in source scan.

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*
* Send bug reports, bug fixes, enhancements, requests, flames, etc., and
* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/entry.c
*
/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/misc.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/config.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/job.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/database.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/env.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/do_command.c
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* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/popen.c

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*
* @(#)bitstring.h 5.2
(Berkeley) 4/4/90
*/

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* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.h

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.\" */
.\"
.\" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
.\"
```

Found in path(s):

*

/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.5

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.\" */
.\"
.\" $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
.\"
```

Found in path(s):

*

/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.1

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.\"
.\" @(#)bitstring.3 5.1
.\" (Berkeley) 12/13/89
.\"
```

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0p11-orig-1-tar-gz/cron-3.0p11.orig/bitstring.3
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.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"
```

Found in path(s):

```
*
/*
/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0p11-orig-1-tar-gz/cron-3.0p11.orig/cron.8
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# *
# * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
# * I'll try to keep a version up to date. I can be reached as follows:
# * Paul Vixie    <paul@vix.com>    uunet!decwrl!vixie!paul
# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta

was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll

have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process

(actually you can run your existing cron if you want, but why?)

build new crontabs using /usr/lib/{crontab,crontab.local}

(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into

ranges with steps -- basically, this step is

as much work as you want to make it)

start up the new cron

(must be done as root)

watch it. test it with 'crontab -r' and watch the daemon track your changes.

if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0p11-orig-1-tar-gz/cron-3.0p11.orig/README

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Found in path(s):

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/pathnames.h
*

/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/externs.h

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* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/Makefile

1.171 attr 2.4.48-5

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Version 2.1, February 1999

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1.173 gdbm 1.18.1-5

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```

```
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```

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1.174 mime-support 3.64ubuntu1

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1.175 shared-mime-info 1.15-1

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1.176 Imdb 0.9.24-1

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1.177 okhttp 3.12.12

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- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/ErrorCode.java
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- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/CacheStrategy.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Route.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/RequestLine.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/StatusLine.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Response.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Dispatcher.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/InternalCache.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/NamedRunnable.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Request.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-

jar/okhttp3/internal/connection/RouteDatabase.java

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/opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Http2.java

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jar/okhttp3/internal/connection/StreamAllocation.java

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jar/okhttp3/internal/cache/FaultHidingSink.java

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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/connection/ConnectionSpecSelector.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/connection/RouteException.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/io/FileSystem.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Cookie.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-

jar/okhttp3/internal/http/RetryAndFollowUpInterceptor.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/BasicTrustRootIndex.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/BasicCertificateChainCleaner.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/HttpCodec.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/HttpHeaders.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Address.java
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/opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/DistinguishedNameParser.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/CertificateChainCleaner.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/connection/RealConnection.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/OkHostnameVerifier.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/ConnectionPool.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/platform/OptionalMethod.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/CacheInterceptor.java
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- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/ws/WebSocketWriter.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/ws/WebSocketProtocol.java
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- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/ResponseBody.java
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- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/RealResponseBody.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/TlsVersion.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/CacheRequest.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/PushObserver.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/RequestBody.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/CipherSuite.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/Version.java
- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/platform/ConscryptPlatform.java
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- /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/MultipartBody.java
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- * /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/RealCall.java
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*/
```

Found in path(s):

```
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-
jar/okhttp3/internal/platform/Platform.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Settings.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Dns.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-
jar/okhttp3/internal/connection/RouteSelector.java
*
```

```
/opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/OkHttpClient.java
```

1.178 expect 5.45.4-2build1

1.178.1 Available under license :

Expect

Written by: Don Libes, libes at nist.gov, NIST

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1.179 libonig 6.9.4-1

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1.180 libmaxminddb 1.4.2-0ubuntu1.20.04.1

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1.181 libxcrypt 4.4.10-10ubuntu4

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1.182 jq 1.6-1ubuntu0.20.04.1

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1.183 jinja2 2.10.1-2

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1.184 markupsafe 1.1.0-1build2

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* /opt/cola/permits/1128978950_1612138213.64/0/markupsafe-1-1-0-orig-1-tar-gz/MarkupSafe-1.1.0/src/markupsafe/_compat.py

* /opt/cola/permits/1128978950_1612138213.64/0/markupsafe-1-1-0-orig-1-tar-gz/MarkupSafe-1.1.0/src/markupsafe/__init__.py

* /opt/cola/permits/1128978950_1612138213.64/0/markupsafe-1-1-0-orig-1-tar-gz/MarkupSafe-1.1.0/src/markupsafe/_native.py

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Metadata-Version: 1.2

Name: MarkupSafe

Version: 1.1.0

Summary: Safely add untrusted strings to HTML/XML markup.

Home-page: <https://www.palletsprojects.com/p/markupsafe/>

Author: Armin Ronacher

Author-email: armin.ronacher@active-4.com

Maintainer: Pallets Team

Maintainer-email: contact@palletsprojects.com

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Project-URL: Documentation, <https://markupsafe.palletsprojects.com/>

Project-URL: Code, <https://github.com/pallets/markupsafe>

Project-URL: Issue tracker, <https://github.com/pallets/markupsafe/issues>

Description: MarkupSafe

=====

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates injection attacks, meaning untrusted user input can safely be displayed on a page.

Installing

Install and update using `pip`_``:

.. code-block:: text

```
pip install -U MarkupSafe
```

.. `_pip`: <https://pip.pypa.io/en/stable/quickstart/>

Examples

.. code-block:: pycon

```
>>> from markupsafe import Markup, escape
>>> # escape replaces special characters and wraps in Markup
>>> escape('<script>alert(document.cookie);</script>')
Markup(u'&lt;script&gt;alert(document.cookie);&lt;/script&gt;')
```

```
>>> # wrap in Markup to mark text "safe" and prevent escaping
>>> Markup('<strong>Hello</strong>')
Markup('<strong>hello</strong>')
>>> escape(Markup('<strong>Hello</strong>'))
Markup('<strong>hello</strong>')
>>> # Markup is a text subclass (str on Python 3, unicode on Python 2)
>>> # methods and operators escape
their arguments
>>> template = Markup("Hello <em>%s</em>")
>>> template % "World"
Markup('Hello <em>&#34;World&#34;</em>')
```

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Links

- * Website: <https://www.palletsprojects.com/p/markupsafe/>
- * Documentation: <https://markupsafe.palletsprojects.com/>
- * License: `BSD <<https://github.com/pallets/markupsafe/blob/master/LICENSE.rst>>`_
- * Releases: <https://pypi.org/project/MarkupSafe/>
- * Code: <https://github.com/pallets/markupsafe>
- *

Issue tracker: <https://github.com/pallets/markupsafe/issues>

- * Test status:
 - * Linux, Mac: <https://travis-ci.org/pallets/markupsafe>
 - * Windows: <https://ci.appveyor.com/project/pallets/markupsafe>
- * Test coverage: <https://codecov.io/gh/pallets/markupsafe>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
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Classifier: Topic :: Internet
:: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=2.7,!<3.0.*,!<3.1.*,!<3.2.*,!<3.3.*

Found in path(s):

* /opt/cola/permits/1128978950_1612138213.64/0/markupsafe-1-1-0-orig-1-tar-gz/MarkupSafe-1.1.0/src/MarkupSafe.egg-info/PKG-INFO

* /opt/cola/permits/1128978950_1612138213.64/0/markupsafe-1-1-0-orig-1-tar-gz/MarkupSafe-1.1.0/PKG-INFO

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/**

* markupsafe._speedups

* ~~~~~

*

* C implementation of escaping for better performance. Used instead of
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*

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1.185 init-system-helpers 1.57

1.185.1 Available under license :

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1.186 httpcomponents-core 4.4.13

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1.187 commons-lang3 2.6

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1.188 commons-logging 1.2

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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogFactoryImpl.java

*

```
/opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/SimpleLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/Jdk14Logger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/LogSource.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/LogKitLogger.java
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1.189 bcel 2.7.2

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/**

* This is a special exception that is used to stop parsing when
* search for an element. For instance, when searching
* for xml:stylesheet
* PIs, it is used to stop the parse once the document element is found.
* @see StylesheetPIHandler
* @xsl.usage internal
*/

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
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*

/opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XslAttribute.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/NodeLocator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToStream.java
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/opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncBoolean.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/NodeSetType.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerHandlerImpl.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/Function.java
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 * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Pattern.java
 * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorExsltFuncResult.java
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jar/org/apache/xml/res/XMLErrorResources_fr.java
*
/opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/res/XMLErrorResources_cs.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/dtm/DTMConfigurationException.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/dtm/ref/DTMNodeList.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/Axis.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/templates/XUnresolvedVariable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/functions/FuncFalse.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/util/ErrorMessage_sl.java
*
/opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/AbsoluteIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/CurrentNodeListIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/IllegalCharException.java
No license file was found, but licenses were detected in source scan.
```

```
/*
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* distributed with this work for additional information
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* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
* $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
```

```

*/
package org.apache.xalan;

/**
 * Administrative
 * class to keep track of the version number of
 * the Xalan release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information. This class will replace the older
 * org.apache.xalan.processor.Version class.</P>
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties for
 * information about the version of the XSLT spec we support.</P>
 * @xsl.usage general
 */
public class Version
{

/**
 * Get the basic version string for the current Xalan release.
 * Version String formatted like
 * <CODE>"<B>Xalan</B> <B>Java</B> v.r[.dd] <B>D</B>]</CODE>.
 *
 * Futurework: have this read version info from jar manifest.
 *
 * @return String denoting our current version
 */
public static String getVersion()
{
    return getProduct()+" "+getImplementationLanguage()+" "
        +getMajorVersionNum()+". "+getReleaseVersionNum()+". "

        +( (getDevelopmentVersionNum() > 0) ?
            ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()));
}

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.

```

```

*/
public static String getProduct()
{
    return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 *     significant, externally apparent enhancement from
 *     the previous release. 'n' represents the n'th
 *     version.
 *
 *     Clients should carefully consider the implications
 *     of new versions as external interfaces and behaviour
 *
 *     may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 *     - a new set of functionality is to be added, eg,
 *       implementation of a new W3C specification.
 *     - API or behaviour change.
 *     - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.

```

```
* Optional identifier used to designate maintenance
* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
```

```
*/
```

```
public static int getMaintenanceVersionNum()
{
    return
    @version.MINOR@;
}
```

```
/**
```

```
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development drop
* of a new release.
*
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
* release, the D suffix will be omitted.
*
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
```

```
*/
```

```
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.src
```

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

```
/*
```

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 * or more contributor license agreements. See the NOTICE file
 * distributed with this work for additional information
 * regarding copyright ownership. The ASF licenses this file
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.

*/

/*

* \$Id: Version.src 468654 2006-10-28 07:09:23Z minchau \$

*/

package org.apache.xml.serializer;

/**

* Administrative class to keep track of the version number of
 * the Serializer release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information.</P>

* @xsl.usage general

*/

public final class Version

{

/**

* Get the basic version string for the current Serializer.
 * Version String formatted like
 * <CODE>"Serializer Java v.r[.dd| Dnn]"</CODE>.

*

* Futurework: have this read version info from jar manifest.

*

* @return String denoting our current version

*/

public static String getVersion()

{

return getProduct()+" "+getImplementationLanguage()+" "
 +getMajorVersionNum()+"."+getReleaseVersionNum()+"."
 +((getDevelopmentVersionNum() > 0) ?
 ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()));

}

```

/**
 * Print the processor version to the command
line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Serializer.
 */
public static String getProduct()
{
    return "Serializer";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.

```

```

* Release number. This
changes when:
*     - a new set of functionality is to be added, eg,
*       implementation of a new W3C specification.
*     - API or behaviour change.
*     - its designated as a reference release.
*/
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
*/
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development
drop
* of a new release.
*
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
* release, the D suffix will be omitted.
*
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
*/
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)

```

```
    return 0;
else
    return Integer.parseInt("@version.DEVELOPER@");
} catch (NumberFormatException nfe) {
    return 0;
}
}
}
```

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.src
No license file was found, but licenses were detected in source scan.

```
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 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XPathLexer.java
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 * http://www.apache.org/licenses/LICENSE-2.0
 *
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 * distributed under the License is distributed on an "AS IS" BASIS,
```



```
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
// Proprietary
/** The 'document-location()' id (Proprietary). */
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/compiler/FunctionTable.java
No license file was found, but licenses were detected in source scan.
```

```
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* You may obtain a copy of the License at
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*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* Major version number.
* Version number. This changes only when there is a
* significant, externally apparent
enhancement from
* the previous release. 'n' represents the n'th
* version.
*
* Clients should carefully consider the implications
* of new versions as external interfaces and behaviour
* may have changed.
*/
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/XSLProcessorVersion.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.java
```

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

```
/*
 * Licensed to the Apache Software Foundation (ASF) under one or more
 * contributor license agreements. See the NOTICE file distributed with
 * this work for additional information regarding copyright ownership.
 * The ASF licenses this file to You under the Apache License, Version 2.0
 * (the "License"); you may not use this file except in compliance with
 * the License. You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

```
/*
 * $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $
 */
```

```
/*
 * @author Jacek Ambroziak
 * @author
 * Santiago Pericas-Geertsen
 * @author Morten Jorgensen
 * @author G. Todd Miller
 */
```

```
package org.apache.xalan.xsltc.compiler;
```

```
import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;
```

```
import org.apache.xml.dtm.DTM;
import org.apache.xalan.xsltc.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xsltc.runtime.Operators;
import org.apache.xalan.xsltc.compiler.util.ErrorMsg;
```

```
parser code {:
```

```
/**
 * Used by function calls with no args.
 */
```

```

static public final Vector EmptyArgs = new Vector(0);

/**
 * Reference to non-existing variable.
 */
static public final VariableRef DummyVarRef = null;

/**
 * Reference to the Parser class.
 */
private Parser _parser;
private XSLTC _xsltc;

/**
 * String representation of the expression being parsed.
 */
private String _expression;

/**
 * Line number where this expression/pattern
was declared.
 */
private int _lineNumber = 0;

/**
 * Reference to the symbol table.
 */
public SymbolTable _symbolTable;

public XPathParser(Parser parser) {
    _parser = parser;
    _xsltc = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

public void setMultiDocument(boolean flag) {

```

```

        _xslt.setMultiDocument(flag);
    }

    public void setCallsNodeset(boolean flag) {
        _xslt.setCallsNodeset(flag);
    }

    public void setHasIdCall(boolean flag) {
        _xslt.setHasIdCall(flag);
    }

    /**
     * This
    method is similar to findNodeType(int, Object) except that it
     * creates a StepPattern instead of just returning a node type. It also
     * differs in the way it handles "{uri}:*" and "{uri}:@*". The last two
     * patterns are expanded as "[namespace-uri() = 'uri']" and
     * "@*[namespace-uri() = 'uri']", respectively. This expansion considerably
     * simplifies the grouping of patterns in the Mode class. For this
     * expansion to be correct, the priority of the pattern/template must be
     * set to -0.25 (when no other predicates are present).
     */
    public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
    int nodeType;

    if (test == null) { // "*"
        nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
        (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;

        return new StepPattern(axis, nodeType, predicates);
    }
    else if (test instanceof Integer) {
        nodeType = ((Integer) test).intValue();

        return new StepPattern(axis, nodeType, predicates);
    }
    else {
        QName name = (QName)test;
        boolean setPriority = false;

        if (axis == Axis.NAMESPACE) {
            nodeType = (name.toString().equals("*")) ? -1
            : _xslt.registerNamespacePrefix(name);;
        }
        else {
            final String uri = name.getNamespace();

```

```

final String local = name.getLocalPart();
final QName namespace_uri =
    _parser.getQNameIgnoreDefaultNs("namespace-uri");

// Expand {uri}:* to *[namespace-uri() = 'uri'] - same for @*
if (uri != null && (local.equals("") || local.equals("@*"))) {
    if (predicates == null) {
        predicates = new Vector(2);
    }

    // Priority is set by hand if no other predicates exist
    setPriority = (predicates.size() == 0);

    predicates.add(
        new Predicate(
            new EqualityExpr(Operators.EQ,
                new NamespaceUriCall(namespace_uri),
                new LiteralExpr(uri)))));
    }

if (local.equals(""))
{
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
: NodeTest.ELEMENT;
}
else if (local.equals("@*")) {
    nodeType = NodeTest.ATTRIBUTE;
}
else {
    nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
: _xsltc.registerElement(name);
}
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

// Set priority for case prefix:* and prefix:@* (no predicates)
if (setPriority) {
    result.setPriority(-0.25);
}

return result;
}
}

public int findNodeType(int axis, Object test) {
if (test == null) { // *
    return (axis == Axis.ATTRIBUTE) ?

```

```

NodeTest.ATTRIBUTE :
(axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
    }
    else if (test instanceof Integer) {
        return ((Integer)test).intValue();
    }
    else {
        QName name = (QName)test;

        if (axis == Axis.NAMESPACE) {
            return (name.toString().equals(""))
? -1
        : _xsltc.registerNamespacePrefix(name);
        }

        if (name.getNamespace() == null) {
            final String local = name.getLocalPart();

            if (local.equals("*")) {
                return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
: NodeTest.ELEMENT;
            }
            else if (local.equals("@*")) {
                return NodeTest.ATTRIBUTE;
            }
        }

        return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
: _xsltc.registerElement(name);
    }
}

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external Set to <tt>true</tt> if this expression is
 * compiled in a separate module.
 *
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
    }
}

```

```

return super.parse();
}
catch (IllegalCharException e) {
    ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
        lineNumber, e.getMessage());
    _parser.reportError(Constants.FATAL, err);
}
return null;
}

/**
 * Lookup a variable or parameter in the symbol table given its name.
 *
 * @param name Name of the symbol being looked up.
 */
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param ?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
if (result != null)
    return(result);
    else
    return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMsg error) {
    _parser.reportError(Constants.ERROR,
error);
}

public void report_error(String message, Object info) {
final ErrorMsg err = new ErrorMsg(ErrorMsg.SYNTAX_ERR, _lineNumber,
    _expression);
_parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
    // empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
if (rlp instanceof Step) {
    return new ParentLocationPath(step, (Step) rlp);
}
else if (rlp instanceof ParentLocationPath) {
    final ParentLocationPath plp = (ParentLocationPath) rlp;
    final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
    return new ParentLocationPath(newrlp, plp.getStep());
}
}

```

```

else {
    addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep"));
    return rlp;
}
}

```

```

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant
result in non-empty
 * nodesets only if the context node is of type element.
 */
public boolean isElementAxis(int axis) {
return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
axis == Axis.NAMESPACE || axis == Axis.DESCEDANT);
}
:}

```

```

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;
terminal EQ, NE;
terminal LT, GT, LE, GE;
terminal PLUS, MINUS, DIV, MOD, MULT;
terminal String Literal;
terminal String QName;
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;
terminal Double REAL;
terminal Long INT;
terminal PATTERN, EXPRESSION;

```

```

non terminal SyntaxTreeNode TopLevel;

```

```

non terminal Expression Expr, Argument, LocationPath;
non terminal Expression Predicate, FilterExpr, Step;
non
terminal Expression OrExpr, AndExpr, EqualityExpr;
non terminal Expression RelationalExpr, AdditiveExpr;
non terminal Expression MultiplicativeExpr, UnaryExpr;
non terminal Expression VariableReference, FunctionCall;
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

```


non terminal IdKeyPattern IdKeyPattern;
non terminal Pattern Pattern;
non terminal Pattern LocationPathPattern;
non terminal StepPattern ProcessingInstructionPattern;
non terminal RelativePathPattern RelativePathPattern;
non terminal StepPattern StepPattern;
non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;
non terminal QName QName, FunctionName, VariableName;
non terminal Integer AxisName, AxisSpecifier;
non terminal
Integer ChildOrAttributeAxisSpecifier;

precedence left VBAR;
precedence left OR;
precedence left AND;
precedence nonassoc EQ, NE;
precedence left LT, GT, LE, GE;

precedence left PLUS, MINUS;
precedence left DIV, MOD, MULT;
precedence left DOLLAR;
precedence left ATSIGN;
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern
{ : RESULT = pattern; ; }

| EXPRESSION Expr:expr
{ : RESULT = expr; ; };

/* ----- Patterns ----- */

Pattern ::= LocationPathPattern:lpp
{ : RESULT = lpp; ; }

| LocationPathPattern:lpp VBAR Pattern:p
{ : RESULT = new AlternativePattern(lpp, p); ; };

LocationPathPattern ::= SLASH
{ : RESULT = new AbsolutePathPattern(null); ; }

| SLASH RelativePathPattern:rpp
{ : RESULT = new AbsolutePathPattern(rpp); ; }

```

| IdKeyPattern:ikp
{: RESULT = ikp; :}

| IdKeyPattern:ikp SLASH RelativePathPattern:rpp
{: RESULT = new ParentPattern(ikp, rpp); :}

| IdKeyPattern:ikp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(ikp, rpp); :}

| DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(rpp); :}

| RelativePathPattern:rpp
{: RESULT = rpp; :};

IdKeyPattern ::= ID LPAREN Literal:l RPAREN
{: RESULT = new IdPattern(l);
  parser.setHasIdCall(true);
:}

| KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
{: RESULT = new KeyPattern(l1, l2); :};

ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
{: RESULT = new ProcessingInstructionPattern(l); :};

RelativePathPattern ::= StepPattern:sp
{: RESULT = sp; :}

| StepPattern:sp SLASH RelativePathPattern:rpp
{: RESULT
= new ParentPattern(sp, rpp); :}

| StepPattern:sp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(sp, rpp); :};

StepPattern ::= NodeTestPattern:nt
{:
RESULT = parser.createStepPattern(Axis.CHILD, nt, null);
:}

| NodeTestPattern:nt Predicates:pp
{:
RESULT = parser.createStepPattern(Axis.CHILD, nt, pp);
:}

| ProcessingInstructionPattern:pip

```

```

{: RESULT = pip; :}

| ProcessingInstructionPattern: pip Predicates: pp
  {: RESULT = (ProcessingInstructionPattern) pip.setPredicates(pp); :}

  | ChildOrAttributeAxisSpecifier: axis NodeTestPattern: nt
    {:
    RESULT = parser.createStepPattern(axis.intValue(), nt, null);
    :}

  | ChildOrAttributeAxisSpecifier: axis
  NodeTestPattern: nt Predicates: pp
    {:
    RESULT = parser.createStepPattern(axis.intValue(), nt, pp);
    :}

  | ChildOrAttributeAxisSpecifier: axis ProcessingInstructionPattern: pip
    {:
    RESULT = pip; // TODO: report error if axis is attribute
    :}

  | ChildOrAttributeAxisSpecifier: axis ProcessingInstructionPattern: pip
  Predicates: pp
    {:
    // TODO: report error if axis is attribute
    RESULT = (ProcessingInstructionPattern) pip.setPredicates(pp);
    :};

NodeTestPattern ::= NameTestPattern: nt
  {: RESULT = nt; :}

  | NODE
  {: RESULT = new Integer(NodeTest.ANODE); :}

  | TEXT
  {: RESULT = new Integer(NodeTest.TEXT); :}

  | COMMENT
  {: RESULT = new Integer(NodeTest.COMMENT); :}

  | PI
  {: RESULT = new Integer(NodeTest.PI); :};

NameTestPattern ::= STAR
  {: RESULT = null; :}

  | QName: qn
  {: RESULT = qn; :};

```

ChildOrAttributeAxisSpecifier ::= ATSIGN

```
{: RESULT = new Integer(Axis.ATTRIBUTE); :}
```

| CHILD DCOLON

```
{: RESULT = new Integer(Axis.CHILD); :}
```

| ATTRIBUTE DCOLON

```
{: RESULT = new Integer(Axis.ATTRIBUTE); :};
```

Predicates ::= Predicate:p

```
{:
```

```
Vector temp = new Vector();
```

```
temp.addElement(p);
```

```
RESULT = temp;
```

```
:}
```

| Predicate:p Predicates:pp

```
{: pp.insertElementAt(p, 0); RESULT = pp; :};
```

Predicate ::= LBRACK Expr:e RBRACK

```
{:
```

```
RESULT = new Predicate(e);
```

```
:};
```

/* ----- Expressions ----- */

Expr ::= OrExpr:ex

```
{: RESULT = ex; :};
```

OrExpr ::= AndExpr:ae

```
{: RESULT = ae; :}
```

| OrExpr:oe OR AndExpr:ae

```
{: RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); :};
```

AndExpr ::= EqualityExpr:e

```
{: RESULT = e; :}
```

| AndExpr:ae AND EqualityExpr:ee

```
{: RESULT = new LogicalExpr(LogicalExpr.AND,  
ae, ee); :};
```

EqualityExpr ::= RelationalExpr:re

```
{: RESULT = re; :}
```

| EqualityExpr:ee EQ RelationalExpr:re

```

{: RESULT = new EqualityExpr(Operators.EQ, ee, re); :}

| EqualityExpr:ee NE RelationalExpr:re
{: RESULT = new EqualityExpr(Operators.NE, ee, re); :};

RelationalExpr ::= AdditiveExpr:ae
{: RESULT = ae; :}

| RelationalExpr:re LT AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.LT, re, ae); :}

| RelationalExpr:re GT AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.GT, re, ae); :}

| RelationalExpr:re LE AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.LE, re, ae); :}

| RelationalExpr:re GE AdditiveExpr:ae
{: RESULT = new RelationalExpr(Operators.GE, re, ae); :};

AdditiveExpr ::= MultiplicativeExpr:me
{: RESULT = me; :}

| AdditiveExpr:ae PLUS MultiplicativeExpr:me
{: RESULT = new BinOpExpr(BinOpExpr.PLUS,
ae, me); :}

| AdditiveExpr:ae MINUS MultiplicativeExpr:me
{: RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); :};

MultiplicativeExpr ::= UnaryExpr:ue
{: RESULT = ue; :}

| MultiplicativeExpr:me MULT UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); :}

| MultiplicativeExpr:me DIV UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); :}

| MultiplicativeExpr:me MOD UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); :};

UnaryExpr ::= UnionExpr:ue
{: RESULT = ue; :}

| MINUS UnaryExpr:ue
{: RESULT = new UnaryOpExpr(ue); :};

```

```

UnionExpr ::= PathExpr:pe
    {: RESULT = pe; :}

    | PathExpr:pe VBAR UnionExpr:rest
    {: RESULT = new UnionPathExpr(pe, rest); :};

PathExpr ::= LocationPath:lp
    {: RESULT = lp; :}

    | FilterExpr:fexp
    {: RESULT = fexp; :}

    | FilterExpr:fexp
SLASH RelativeLocationPath:rlp
    {: RESULT = new FilterParentPath(fexp, rlp); :}

    | FilterExpr:fexp DSLASH RelativeLocationPath:rlp
    {:
        //
        // Expand '/' into '/descendant-or-self::node()/' or
        // into '/descendant-or-self::*/'
        //
        int nodeType = DOM.NO_TYPE;
        if (rlp instanceof Step &&
            parser.isElementAxis(((Step) rlp).getAxis()))
        {
            nodeType = DTM.ELEMENT_NODE;
        }
        final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
        FilterParentPath fpp = new FilterParentPath(fexp, step);
        fpp = new FilterParentPath(fpp, rlp);
        if (fexp instanceof KeyCall == false) {
            fpp.setDescendantAxis();
        }
        RESULT = fpp;
    :};

LocationPath ::= RelativeLocationPath:rlp
    {: RESULT = rlp; :}

    | AbsoluteLocationPath:alp
    {: RESULT = alp; :};

RelativeLocationPath ::= Step:step
    {: RESULT
    = step; :}

    | RelativeLocationPath:rlp SLASH Step:step

```

```

{:
if (rlp instanceof Step && ((Step) rlp).isAbbreviatedDot()) {
    RESULT = step;    // Remove './' from the middle
}
else if (((Step) step).isAbbreviatedDot()) {
    RESULT = rlp;    // Remove './' from the end
}
else {
    RESULT =
        new ParentLocationPath((RelativeLocationPath) rlp, step);
}
:}

```

```

| AbbreviatedRelativeLocationPath:arlp
{: RESULT = arlp; :};

```

AbsoluteLocationPath ::= SLASH

```

{: RESULT = new AbsoluteLocationPath(); :}

```

```

| SLASH RelativeLocationPath:rlp

```

```

{: RESULT = new AbsoluteLocationPath(rlp); :}

```

```

| AbbreviatedAbsoluteLocationPath:aalp

```

```

{: RESULT = aalp; :};

```

AbbreviatedRelativeLocationPath ::= RelativeLocationPath:rlp DSLASH Step:step

```

{:
    final Step right = (Step)step;
    final
int axis = right.getAxis();
    final int type = right.getNodeType();
    final Vector predicates = right.getPredicates();

if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
    // Compress './child:E' into 'descendant::E' - if possible
    if (predicates == null) {
        right.setAxis(Axis.DESCENDANT);
        if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
            RESULT = right;
        }
        else {
            // Expand 'rlp//child::E' into 'rlp/descendant::E'
            RelativeLocationPath left = (RelativeLocationPath)rlp;
            RESULT = new ParentLocationPath(left, right);
        }
    }
}
else {
    // Expand './step' -> 'descendant-or-self::*step'

```

```

        if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {

            Step left = new Step(Axis.DESCENDANTORSELF,
DTM.ELEMENT_NODE, null);
                RESULT = new ParentLocationPath(left, right);
            }
            else {
                // Expand 'rlp//step' -> 'rlp/descendant-or-self::*//step'
                RelativeLocationPath left = (RelativeLocationPath)rlp;
                Step mid = new Step(Axis.DESCENDANTORSELF,
DTM.ELEMENT_NODE, null);
                ParentLocationPath ppl = new ParentLocationPath(mid, right);
                RESULT = new ParentLocationPath(left, ppl);
            }
        }
    }
}
else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::*//step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
DTM.ELEMENT_NODE, null);

    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}
else {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::node()/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
DOM.NO_TYPE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}
};

```

AbbreviatedAbsolutePath ::= DSLASH RelativeLocationPath:rlp

```

{
    //
    // Expand '/' into '/descendant-or-self::node()' or
    // into '/descendant-or-self::*/'
    //
    int nodeType = DOM.NO_TYPE;
    if (rlp instanceof Step &&
        parser.isElementAxis(((Step) rlp).getAxis()))
    {
        nodeType = DTM.ELEMENT_NODE;
    }
}

```



```

    final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
    RESULT =
new AbsoluteLocationPath(parser.insertStep(step,
    (RelativeLocationPath) rlp));
:};

```

```

Step ::= NodeTest:ntest
    {:
        if (ntest instanceof Step) {
            RESULT = (Step)ntest;
        }
        else {
            RESULT = new Step(Axis.CHILD,
                parser.findNodeType(Axis.CHILD, ntest),
                null);
        }
    :}

```

```

| NodeTest:ntest Predicates:pp
    {:
        if (ntest instanceof Step) {
            Step step = (Step)ntest;
            step.addPredicates(pp);
            RESULT = (Step)ntest;
        }
        else {
            RESULT = new Step(Axis.CHILD,
                parser.findNodeType(Axis.CHILD, ntest), pp);
        }
    :}

```

```

| AxisSpecifier:axis NodeTest:ntest Predicates:pp
    {: RESULT = new Step(axis.intValue(),
        parser.findNodeType(axis.intValue(), ntest),
        pp);
    :}

```

```

| AxisSpecifier:axis NodeTest:ntest
    {: RESULT = new Step(axis.intValue(),
        parser.findNodeType(axis.intValue(), ntest),
        null);
    :}

```

```

| AbbreviatedStep:abbrev
    {: RESULT = abbrev; :};

```

```

AxisSpecifier ::= AxisName:an DCOLON
    {: RESULT = an; :}

```

```

| ATSIGN
{: RESULT = new Integer(Axis.ATTRIBUTE); :};

AxisName ::= ANCESTOR
{: RESULT = new Integer(Axis.ANCESTOR); :}

| ANCESTORORSELF
{: RESULT = new Integer(Axis.ANCESTORORSELF); :}

| ATTRIBUTE
{: RESULT = new Integer(Axis.ATTRIBUTE); :}

| CHILD
{: RESULT = new Integer(Axis.CHILD); :}

| DESCENDANT
{: RESULT = new Integer(Axis.DESCENDANT); :}

| DESCENDANTORSELF
{: RESULT = new Integer(Axis.DESCENDANTORSELF); :}

| FOLLOWING
{: RESULT = new
Integer(Axis.FOLLOWING); :}

| FOLLOWINGSIBLING
{: RESULT = new Integer(Axis.FOLLOWINGSIBLING); :}

| NAMESPACE
{: RESULT = new Integer(Axis.NAMESPACE); :}

| PARENT
{: RESULT = new Integer(Axis.PARENT); :}

| PRECEDING
{: RESULT = new Integer(Axis.PRECEDING); :}

| PRECEDINGSIBLING
{: RESULT = new Integer(Axis.PRECEDINGSIBLING); :}

| SELF
{: RESULT = new Integer(Axis.SELF); :};

AbbreviatedStep ::= DOT
{: RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); :}

| DDOT

```

```
{: RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); :};
```

```
FilterExpr ::= PrimaryExpr:primary
```

```
{: RESULT = primary; :}
```

```
| PrimaryExpr:primary Predicates:pp
```

```
{: RESULT = new FilterExpr(primary, pp); :};
```

```
PrimaryExpr ::= VariableReference:vr
```

```
{: RESULT = vr; :}
```

```
| LPAREN Expr:ex RPAREN
```

```
{: RESULT = ex; :}
```

```
| Literal:string
```

```
{:
```

```
/*
```

```
* If the string appears to have the syntax of a QName, store  
* namespace info in the literal expression. This is used for  
* element-available and function-available functions, among  
* others. Also, the default namespace must be ignored.
```

```
*/
```

```
String namespace = null;
```

```
final int index = string.lastIndexOf(':');
```

```
if (index > 0) {
```

```
    final String prefix = string.substring(0, index);
```

```
    namespace = parser._symbolTable.lookupNamespace(prefix);
```

```
}
```

```
RESULT = (namespace == null) ? new LiteralExpr(string)
```

```
    : new LiteralExpr(string, namespace);
```

```
:}
```

```
| INT:num
```

```
{:
```

```
    long value = num.longValue();
```

```
    if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
```

```
        RESULT = new RealExpr(value);
```

```
    }
```

```
    else {
```

```
        if (num.doubleValue() == -0)
```

```
            RESULT = new RealExpr(num.doubleValue());
```

```
        else if (num.intValue() == 0)
```

```
            RESULT = new IntExpr(num.intValue());
```

```
    else if (num.doubleValue() == 0.0)
```

```
        RESULT = new RealExpr(num.doubleValue());
```

```

        else
            RESULT = new IntExpr(num.intValue());
    }
    :}

    | REAL:num
    {: RESULT = new RealExpr(num.doubleValue()); :}

    | FunctionCall:fc
    {: RESULT = fc; :};

```

VariableReference ::= DOLLAR VariableName:varName

```

{:
    // An empty QName prefix for a variable or parameter reference
    // should map to the null namespace and not the default URI.
    SyntaxTreeNode node = parser.lookupName(varName);

    if (node != null) {
        if (node instanceof Variable) {
            RESULT = new VariableRef((Variable)node);
        }
        else if (node instanceof Param) {
            RESULT = new ParameterRef((Param)node);
        }
        else {
            RESULT = new UnresolvedRef(varName);
        }
    }

    if (node == null) {
        RESULT = new UnresolvedRef(varName);
    }
    :};

```

FunctionCall ::= FunctionName:fname LPAREN RPAREN

```

{:
    if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
        RESULT = new CurrentCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, parser.EmptyArgs);
    }
}

```

```

}
else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
    RESULT = new BooleanExpr(true);
}
else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {

RESULT = new BooleanExpr(false);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
    RESULT = new PositionCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {
    RESULT = new LastCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname);
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}
:}

| FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN
{:
if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
parser.setMultiDocument(true);
    RESULT = new DocumentCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {

```

```

    RESULT = new StringCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
    RESULT = new BooleanCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {

RESULT = new NameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
    RESULT = new NotCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
    RESULT = new FormatNumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
    RESULT = new UnparsedEntityUriCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
    parser.setHasIdCall(true);
}
else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname))
{
    RESULT = new CeilingCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new StartsWithCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {

```

```

    RESULT = new FunctionAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname))
{
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(Constants.TRANSLET_URI, "xslt", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
parser.setCallsNodeset(true); // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}
};

```

NonemptyArgumentList

```

 ::= Argument:arg
 {
    Vector temp = new Vector();
    temp.addElement(arg);
    RESULT = temp;
 }

 | Argument:arg COMMA NonemptyArgumentList:argl
 { argl.insertElementAt(arg, 0); RESULT = argl; };

```

FunctionName ::= QName:fname

```

 {
    RESULT = fname;
 };

```

VariableName ::= QName:vname

```

 {
    RESULT = vname;
 };

```

```

Argument ::= Expr:ex
    {: RESULT = ex; :};

NodeTest ::= NameTest:nt
    {: RESULT = nt; :}

    | NODE
    {: RESULT = new Integer(NodeTest.ANODE); :}

    | TEXT
    {: RESULT = new Integer(NodeTest.TEXT); :}

    | COMMENT
    {: RESULT = new Integer(NodeTest.COMMENT); :}

    | PIPARAM LPAREN Literal:l RPAREN
    {:
        QName name = parser.getQNameIgnoreDefaultNs("name");
        Expression exp = new EqualityExpr(Operators.EQ,
            new NameCall(name),
            new LiteralExpr(l));
        Vector predicates = new Vector();
        predicates.addElement(new Predicate(exp));
        RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);
    :}

    | PI
    {: RESULT = new Integer(NodeTest.PI); :};

NameTest ::= STAR
    {: RESULT = null; :}

    | QName:qn
    {: RESULT = qn; :};

QName ::= QNAME:qname
    {: RESULT = parser.getQNameIgnoreDefaultNs(qname); :}

    | DIV
    {: RESULT = parser.getQNameIgnoreDefaultNs("div"); :}

    | MOD
    {: RESULT = parser.getQNameIgnoreDefaultNs("mod"); :}

    | KEY
    {: RESULT = parser.getQNameIgnoreDefaultNs("key"); :}

```



```
| ANCESTOR
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); ;}

| ANCESTORORSELF
{: RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); ;}

| ATTRIBUTE
{: RESULT
= parser.getQNameIgnoreDefaultNs("attribute"); ;}

| CHILD
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); ;}

| DESCENDANT
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant"); ;}

| DESCENDANTORSELF
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant-or-self"); ;}

| FOLLOWING
{: RESULT = parser.getQNameIgnoreDefaultNs("following"); ;}

| FOLLOWINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); ;}

| NAMESPACE
{: RESULT = parser.getQNameIgnoreDefaultNs("namespace"); ;}

| PARENT
{: RESULT = parser.getQNameIgnoreDefaultNs("parent"); ;}

| PRECEDING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding"); ;}

| PRECEDINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding-sibling"); ;}

| SELF
{: RESULT = parser.getQNameIgnoreDefaultNs("self"); ;}

| ID
{: RESULT = parser.getQNameIgnoreDefaultNs("id"); ;};
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/xpath.cup
```

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

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Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/Encodings.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/XMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_text.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/res/XSLTInfo.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_xml.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/Makefile.inc
*
/opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_unknown.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/HTMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_html.properties
```

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```

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```

```
*/
```

```
// is found, then throw a special exception in order to terminate
```

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/TransformerFactoryImpl.java

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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
// Attribution to: "Voytenko, Dimitry" <DVoytenko@SECTORBASE.COM>

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToHTMLStream.java

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Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java

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Found in path(s):

- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/trace/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
 - *
 - /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
 - jar/org/apache/xalan/transformer/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
 - jar/org/apache/xalan/processor/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
 - jar/org/apache/xalan/templates/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
 - jar/org/apache/xalan/extensions/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
 - jar/org/apache/xpath/operations/package.html
 - *
 - /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/package.html
 - * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/package.html
 - *
 - /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/package.html
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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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 */
/**
 * Execute the proprietary document-location() function, which returns
 * a node set of documents.
 * @xsl.usage advanced
 */
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/functions/FuncDoclocation.java
```

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 */
/*
 * $Id: XSLProcessorVersion.src 468640 2006-10-28 06:53:53Z minchau $
 */
```

```

package org.apache.xalan.processor;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>
 * @deprecated To be replaced by org.apache.xalan.Version.getVersion()
 * @xsl.usage general
 */
public class XSLProcessorVersion
{

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(S_VERSION);
}

/**
 * Constant name of product.
 */
public static final String PRODUCT = "Xalan";

/**
 * Implementation Language.
 */
public static final String LANGUAGE = "Java";

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider
the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static final int VERSION = @version.VERSION@;

/**
 * Release Number.

```

```

* Release number. This changes when:
*   - a new set of functionality is to be added, eg,
*     implementation of a new W3C specification.
*   - API or behaviour change.
*   - its designated as a reference release.
*/
public static final int RELEASE = @version.RELEASE@;

/**
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
*/
public static final int MAINTENANCE
= @version.MINOR@;

/**
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development drop
* of a new release.
*
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
* release, the D suffix will be omitted.
*
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
*/
public static final int DEVELOPMENT = 0;

/**
* Version String like <CODE>"<B>Xalan</B> <B>Language</B>
* v.r[.dd] <B>D</B>nn]"</CODE>.
* <P>Semantics of the version string are
identical to the Xerces project.</P>
*/
public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" "
+VERSION+"."+RELEASE+"."
+(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT)

```

: (""+MAINTENANCE));

}

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.src

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*/

/*

* \$Id: xpath.lex 1225752 2011-12-30 04:12:46Z mrglavas \$

*/

/*

* @author Jacek Ambroziak

* @author

Santiago Pericas-Geertsen

* @author Morten Jorgensen

*

*/

package org.apache.xalan.xsltc.compiler;

import java_cup.runtime.Symbol;

%%

%cup

%unicode

%class XPathLexer

%yyeof

{

int last;


```

void initialize() {
    last = -1;
}

static boolean isWhitespace(int c) {
    return (c == ' ' || c == '\t' || c == '\r' || c == '\n' || c == '\f');
}

/**
 * If symbol is not followed by ':' or '(', then treat it as a
 * name instead of an axis or function (Jira-1912).
 */
Symbol disambiguateAxisOrFunction(int ss) throws Exception {
    // Peek in the input buffer without changing the internal state
    int index = yy_buffer_index;

    // Skip whitespace
    while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
        index++;
    }

    // If end of buffer, can't disambiguate :(

    if (index >= yy_buffer_read) {
        // Can't disambiguate, so return as symbol
        return new Symbol(ss);
    }

    // Return symbol if next token is ':' or '('
    return (yy_buffer[index] == ':' && yy_buffer[index+1] == ':' ||
            yy_buffer[index] == '(') ?
        newSymbol(ss) : newSymbol(sym.QNAME, yytext());
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * name instead of a keyword (Jira-1912).
 */
Symbol disambiguateOperator(int ss) throws Exception {
    switch (last) {
        case -1: // first token
        case sym.ATSIGN:
        case sym.DCOLON:
        case sym.LPAREN:
        case sym.LBRACK:
        case sym.COMMA:

```

```

    case sym.AND:
    case sym.OR:
    case
sym.MOD:
    case sym.DIV:
    case sym.MULT:
    case sym.SLASH:
    case sym.DSLASH:
    case sym.VBAR:
    case sym.PLUS:
    case sym.MINUS:
    case sym.EQ:
    case sym.NE:
    case sym.LT:
    case sym.LE:
    case sym.GT:
    case sym.GE:
        return newSymbol(sym.QNAME, yytext());
    }
    return newSymbol(ss);
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * wildcard instead of a multiplication operator
 */
Symbol disambiguateStar() throws Exception {
    switch (last) {
    case -1: // first token
    case sym.ATSIGN:
    case sym.DCOLON:
    case sym.LPAREN:
    case sym.LBRACK:
    case sym.COMMA:

case sym.AND:
    case sym.OR:
    case sym.MOD:
    case sym.DIV:
    case sym.MULT:
    case sym.SLASH:
    case sym.DSLASH:
    case sym.VBAR:
    case sym.PLUS:
    case sym.MINUS:
    case sym.EQ:
    case sym.NE:

```

```

    case sym.LT:
    case sym.LE:
    case sym.GT:
    case sym.GE:
        return newSymbol(sym.STAR);
    }
    return newSymbol(sym.MULT);
}

Symbol newSymbol(int ss) {
    last = ss;
    return new Symbol(ss);
}

Symbol newSymbol(int ss, String value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
    last = ss;
    return new
Symbol(ss, value);
}
%}

%eofval{
return newSymbol(sym.EOF);
%eofval}

%yylexthrow{
Exception
%yylexthrow}

Letter={BaseChar}{{Ideographic}

BaseChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u00FF\u0100-\u0131\u0134-
\u013E\u0141-\u0148\u014A-\u017E\u0180-\u01C3\u01CD-\u01F0\u01F4-\u01F5\u01FA-\u0217\u0250-
\u02A8\u02BB-\u02C1\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-\u03CE\u03D0-
\u03D6\u03DA\u03DC\u03DE\u03E0\u03E2-\u03F3\u0401-\u040C\u040E-\u044F\u0451-\u045C\u045E-
\u0481\u0490-\u04C4\u04C7-\u04C8\u04CB-\u04CC\u04D0-\u04EB\u04EE-\u04F5\u04F8-\u04F9\u0531-
\u0556\u0559\u0561-\u0586\u05D0-\u05EA\u05F0-\u05F2\u0621-\u063A\u0641-\u064A\u0671-\u06B7\u06BA-
\u06BE\u06C0-\u06CE\u06D0-\u06D3\u06D5\u06E5-\u06E6\u0905-\u0939\u093D\u0958-\u0961\u0985-

```

\u098C\u098F-\u0990\u0993-\u09A8\u09AA-\u09B0\u09B2\u09B6-\u09B9\u09DC-\u09DD\u09DF-
\u09E1\u09F0-\u09F1\u0A05-\u0A0A\u0A0F-\u0A10\u0A13-\u0A28\u0A2A-\u0A30\u0A32-\u0A33\u0A35-
\u0A36\u0A38-\u0A39\u0A59-\u0A5C\u0A5E\u0A72-\u0A74\u0A85-\u0A8B\u0A8D\u0A8F-\u0A91\u0A93-
\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9\u0ABD\u0AE0\u0B05-\u0B0C\u0B0F-\u0B10\u0B13-
\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3D\u0B5C-\u0B5D\u0B5F-\u0B61\u0B85-
\u0B8A\u0B8E-\u0B90\u0B92-\u0B95\u0B99-\u0B9A\u0B9C\u0B9E-\u0B9F\u0BA3-\u0BA4\u0BA8-
\u0BAA\u0BAE-\u0BB5\u0BB7-\u0BB9\u0C05-\u0C0C\u0C0E-\u0C10\u0C12-\u0C28\u0C2A-\u0C33\u0C35-
\u0C39\u0C60-\u0C61\u0C85-\u0C8C\u0C8E-\u0C90\u0C92-\u0CA8\u0CAA-\u0CB3\u0CB5-
\u0CB9\u0CDE\u0CE0-\u0CE1\u0D05-\u0D0C\u0D0E-\u0D10\u0D12-\u0D28\u0D2A-\u0D39\u0D60-
\u0D61\u0E01-\u0E2E\u0E30\u0E32-\u0E33\u0E40-\u0E45\u0E81-\u0E82\u0E84\u0E87-
\u0E88\u0E8A\u0E8D\u0E94-\u0E97\u0E99-\u0E9F\u0EA1-\u0EA3\u0EA5\u0EA7\u0EAA-\u0EAB\u0EAD-
\u0EAE\u0EB0\u0EB2-\u0EB3\u0EBD\u0EC0-\u0EC4\u0F40-\u0F47\u0F49-\u0F69\u10A0-\u10C5\u10D0-
\u10F6\u1100\u1102-\u1103\u1105-\u1107\u1109\u110B-\u110C\u110E-
\u1112\u1113\u113E\u1140\u114C\u114E\u1150\u1154-\u1155\u1159\u115F-
\u1161\u1163\u1165\u1167\u1169\u116D-\u116E\u1172-\u1173\u1175\u119E\u11A8\u11AB\u11AE-
\u11AF\u11B7-\u11B8\u11BA\u11BC-\u11C2\u11EB\u11F0\u11F9\u1E00-\u1E9B\u1EA0-\u1EF9\u1F00-
\u1F15\u1F18-\u1F1D\u1F20-\u1F45\u1F48-\u1F4D\u1F50-\u1F57\u1F59\u1F5B\u1F5D\u1F5F-\u1F7D\u1F80-
\u1FB4\u1FB6-\u1FBC\u1FBE\u1FC2-\u1FC4\u1FC6-\u1FCC\u1FD0-\u1FD3\u1FD6-\u1FDB\u1FE0-
\u1FEC\u1FF2-\u1FF4\u1FF6-\u1FFC\u2126\u212A-\u212B\u212E\u2180-\u2182\u3041-\u3094\u30A1-
\u30FA\u3105-\u312C\uAC00-\uD7A3]

Ideographic=[\u4E00-\u9FA5\u3007\u3021-\u3029]

CombiningChar=[\u0300-\u0345\u0360-\u0361\u0483-\u0486\u0591-\u05A1\u05A3-\u05B9\u05BB-
\u05BD\u05BF\u05C1-\u05C2\u05C4\u064B-\u0652\u0670\u06D6-\u06DC\u06DD-\u06DF\u06E0-\u06E4\u06E7-
\u06E8\u06EA-\u06ED\u0901-\u0903\u093C\u093E-\u094C\u094D\u0951-\u0954\u0962-\u0963\u0981-
\u0983\u09BC\u09BE\u09BF\u09C0-\u09C4\u09C7-\u09C8\u09CB-\u09CD\u09D7\u09E2-
\u09E3\u0A02\u0A3C\u0A3E\u0A3F\u0A40-\u0A42\u0A47-\u0A48\u0A4B-\u0A4D\u0A70-\u0A71\u0A81-
\u0A83\u0ABC\u0ABE-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0B01-\u0B03\u0B3C\u0B3E-\u0B43\u0B47-
\u0B48\u0B4B-\u0B4D\u0B56-\u0B57\u0B82-\u0B83\u0BBE-\u0BC2\u0BC6-\u0BC8\u0BCA-
\u0BCD\u0BD7\u0C01-\u0C03\u0C3E-\u0C44\u0C46-\u0C48\u0C4A-\u0C4D\u0C55-\u0C56\u0C82-
\u0C83\u0CBE-\u0CC4\u0CC6-\u0CC8\u0CCA-\u0CCD\u0CD5-\u0CD6\u0D02-\u0D03\u0D3E-\u0D43\u0D46-
\u0D48\u0D4A-\u0D4D\u0D57\u0E31\u0E34-\u0E3A\u0E47-\u0E4E\u0EB1\u0EB4-\u0EB9\u0EBB-
\u0EBC\u0EC8-\u0ECD\u0F18-\u0F19\u0F35\u0F37\u0F39\u0F3E\u0F3F\u0F71-\u0F84\u0F86-\u0F8B\u0F90-
\u0F95\u0F97\u0F99-\u0FAD\u0FB1-\u0FB7\u0FB9\u20D0-\u20DC\u20E1\u302A-\u302F\u3099\u309A]

Digit=[\u0030-\u0039\u0660-\u0669\u06F0-\u06F9\u0966-\u096F\u09E6-\u09EF\u0A66-\u0A6F\u0AE6-
\u0AEF\u0B66-\u0B6F\u0BE7-\u0BEF\u0C66-\u0C6F\u0CE6-\u0CEF\u0D66-\u0D6F\u0E50-\u0E59\u0ED0-
\u0ED9\u0F20-\u0F29]

Extender=[\u00B7\u02D0\u02D1\u0387\u0640\u0E46\u0EC6\u3005\u3031-\u3035\u309D-\u309E\u30FC-\u30FE]

NCName={({Letter}}|"_"){NCNameStartChar})({NCNameChar})*

NCNameChar={Letter}|{Digit}|"."-""|_{CombiningChar}|{Extender}|{NCNameStartChar}|

\u00B7 | [\u0300-\u036F] | [\u203F-\u2040] | [\u0130-\u0136]

NCNameStartChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u02FF\u0370-\u037D\u037F-\u1FFF\u200C-\u200D\u2070-\u218F\u2C00-\u2FEF\u3001-\uD7FF\uF900-\uFDCF\uFDF0-\uFFFD] | \u005F | ({HighSurrogate}{LowSurrogate})

HighSurrogate=[\uD800-\uDBFF]

LowSurrogate=[\uDC00-\uDFFF]

%%

```
"*"          { return disambiguateStar(); }
"/"          { return newSymbol(sym.SLASH); }
"+"          { return newSymbol(sym.PLUS); }
"-"          { return newSymbol(sym.MINUS); }
"div"        { return disambiguateOperator(sym.DIV); }
"mod"        { return disambiguateOperator(sym.MOD); }
"::"         { return newSymbol(sym.DCOLON); }
","          { return newSymbol(sym.COMMA); }
"@"          { return newSymbol(sym.ATSIGN); }
".."         { return newSymbol(sym.DDOT); }
"|"          { return newSymbol(sym.VBAR); }
"$"          { return newSymbol(sym.DOLLAR); }
"//"         { return newSymbol(sym.DSLASH); }
"="          { return newSymbol(sym.EQ); }
"!="         { return newSymbol(sym.NE); }
"<"         { return newSymbol(sym.LT); }
">"         { return newSymbol(sym.GT); }
"<="        { return newSymbol(sym.LE); }
">="        { return newSymbol(sym.GE); }
"id"         { return disambiguateAxisOrFunction(sym.ID); }
"key"        { return disambiguateAxisOrFunction(sym.KEY); }
"text()"     { return newSymbol(sym.TEXT); }
"text"+[ \t\r\n\f]+"()" { return newSymbol(sym.TEXT); }
"node()"     { return newSymbol(sym.NODE); }
"node"+[ \t\r\n\f]+"()" { return newSymbol(sym.NODE); }
"comment()"  { return newSymbol(sym.COMMENT); }
"comment"+[ \t\r\n\f]+"()" { return newSymbol(sym.COMMENT); }
"processing-instruction"
{ return disambiguateAxisOrFunction(sym.PIPARAM); }
"processing-instruction()" { return newSymbol(sym.PI); }
"processing-instruction"+[ \t\r\n\f]+"()" { return newSymbol(sym.PI); }
"or"         { return disambiguateOperator(sym.OR); }
"and"        { return disambiguateOperator(sym.AND); }
"child"      { return disambiguateAxisOrFunction(sym.CHILD); }
"attribute"  { return disambiguateAxisOrFunction(sym.ATTRIBUTE); }
```

```

"ancestor"      { return disambiguateAxisOrFunction(sym.ANCESTOR); }
"ancestor-or-self"  { return disambiguateAxisOrFunction(sym.ANCESTORORSELF); }
"descendant"    { return disambiguateAxisOrFunction(sym.DESCENDANT); }
"descendant-or-self" { return disambiguateAxisOrFunction(sym.DESCENDANTORSELF); }
"following"     { return disambiguateAxisOrFunction(sym.FOLLOWING); }
"following-sibling" { return disambiguateAxisOrFunction(sym.FOLLOWINGSIBLING); }
}
"namespace"    { return disambiguateAxisOrFunction(sym.NAMESPACE); }
"parent"      { return disambiguateAxisOrFunction(sym.PARENT); }
"preceding"   { return disambiguateAxisOrFunction(sym.PRECEDING); }
"preceding-sibling" { return disambiguateAxisOrFunction(sym.PRECEDINGSIBLING); }
"self"       { return disambiguateAxisOrFunction(sym.SELF); }
"["         { return newSymbol(sym.LBRACK); }
"]"         { return newSymbol(sym.RBRACK); }
"("         { return newSymbol(sym.LPAREN); }
")"         { return newSymbol(sym.RPAREN); }
"<PATTERN>" { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>" { initialize(); return new Symbol(sym.EXPRESSION); }
\"[^\"]*\"   { return newSymbol(sym.Literal,
    yytext().substring(1, yytext().length() - 1)); }
\"[^\"]*\"   { return newSymbol(sym.Literal,
    yytext().substring(1,
    yytext().length() - 1)); }
{Digit}+    { return newSymbol(sym.INT, new Long(yytext())); }
{Digit}+(\."{Digit})*? { return newSymbol(sym.REAL, new Double(yytext())); }
"."{Digit}+ { return newSymbol(sym.REAL, new Double(yytext())); }
"."         { return newSymbol(sym.DOT); }
({NCName}":")?{NCName} { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?*"      { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?@"*    { return newSymbol(sym.QNAME, yytext()); }
[ \t\r\n\f]         { /* ignore white space. */ }
.                   { throw new Exception(yytext()); }

```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/xpath.lex
```

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

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*/
// Proprietary, built in functions
/** current function string (Proprietary). */
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/compiler/Keywords.java
```

1.190 commons-cli 1.4

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1.191 jakarta-annotation-api 1.3.4

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/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/MemberValue.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/LongMemberValue.java

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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/InnerClassesAttribute.java
*
/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/analysis/Subroutine.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/convert/Transformer.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/SyntheticAttribute.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/CtClassType.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/AnnotationsAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/util/HotSwapper.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/Compiler.java
*
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/FieldDecl.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/web/BadHttpRequest.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/CtNewConstructor.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/Javac.java
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/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/convert/TransformAfter.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/CallExpr.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/JvstTypeChecker.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/StackMapTable.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/util/HotSwapAgent.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/ClassMap.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-


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jar/javassist/tools/rmi/RemoteException.java
*
/opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/ConstantAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/compiler/AccessorMaker.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/util/proxy/SerializedProxy.java
```

1.194 jakarta-annotation-api 1.3.5

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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1.198 commons-logging 1.1.3

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```
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-  
jar/javax/validation/Validator.java  
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
```

jar/javax/validation/metadata/CascadableDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintTarget.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/FutureOrPresent.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Null.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintValidatorContext.java
*
/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/ExecutableDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/groups/Default.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/MessageInterpolator.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/Unwrapping.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/ValueExtractor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraintvalidation/ValidationTarget.java
*
/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/MethodDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/package-info.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/UnexpectedTypeException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/BeanDescriptor.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Digits.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/UnwrapByDefault.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/NegativeOrZero.java
*
/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintViolation.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ConstraintDefinitionException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/ValidateUnwrappedValue.java

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/ExtractedValue.java

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*

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ContainerElementTypeDescriptor.java

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/metadata/Scope.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Max.java
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jar/javax/validation/ReportAsSingleViolation.java
*
/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
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jar/javax/validation/NoProviderFoundException.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Validation.java
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jar/javax/validation/spi/package-info.java
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jar/javax/validation/Configuration.java
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jar/javax/validation/TraversableResolver.java

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*
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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/DecimalMax.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-

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jar/javax/validation/constraints/Positive.java
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jar/javax/validation/spi/ConfigurationState.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/Payload.java
*
/opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/DecimalMin.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/constraints/Past.java
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~

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-jar/META-
INF/maven/jakarta.validation/jakarta.validation-api/pom.xml
```

1.200 jakarta-ws-rs-api 2.1.6

1.200.1 Available under license :

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```
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```
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```

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Source Code

The project maintains the following source code repositories:

* <https://github.com/eclipse-ee4j/jaxrs-api>

Third-party Content

This project leverages the following third party content.

javaee-api (7.0)

* License: Apache-2.0 AND W3C

JUnit (4.11)

* License: Common Public License 1.0

Mockito (2.16.0)

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1.207 iconv 2.31

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Because

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Version 3, 29 June 2007

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1.216 hk2-locator 2.6.1

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when it starts in an interactive mode:

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

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```
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```

```
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1.219 hk2-api 2.6.1

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1.220 resourcelocator 1.0.3

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1.221 jakarta-inject 2.6.1

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- * Tatu Saloranta

- * Providing benchmark suite
- * Alec Wysoker
- * Performance and memory usage improvement

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1.224 asm 3.2

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* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/util/ASMifierMethodVisitor.java
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* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/tree/InnerClassNode.java
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* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/util/TraceAbstractVisitor.java
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* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-jar/org/objectweb/asm/tree/FieldNode.java
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jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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jar/org/objectweb/asm/xml/SAXClassAdapter.java

* /opt/cola/permits/1136493993_1613774733.35/0/asm-all-3-2-sources-2-

jar/org/objectweb/asm/xml/ASMContentHandler.java

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1.226 libapache2-mod-authz-unixgroup 1.1.0-0.1

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1. Seti UI - A subtle dark colored UI theme for Atom. (<https://github.com/jesseweed/seti-ui>)

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1.231 man-pages 5.05-1

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```
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#
# find_dot_no_parens.sh
#
# Look for function names after /^[BIR]/ that aren't
# followed by "()".
#
# This script is designed to help with "by hand" tidy-ups after
# the automated changes made by add_parens_for_own_funcs.sh.
#
# The first argument to this script names a manual page directory where
# 'man2' and 'man3' subdirectories can be found. The pages names in
# these directories are used to generate a series of regular expressions
# that can be used to search the manual page files that are named in
# the remaining command-line arguments.
#
# Example usage:
#
```

```
# cd man-pages-x.yy
# sh find_dots_no_parens.sh . man?/*.* > matches.log
#
#####
#
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1.232 python-idna 2.8-1

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"""

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

"""

```
import io, sys
from setuptools import setup
```

```
def main():
```

```
    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")
```

```
    package_data = { }
```

```
exec(open('idna/package_data.py').read(), package_data)
```

```
arguments = {
    'name': 'idna',
    'packages': ['idna'],
    'version': package_data['__version__'],
    'description': 'Internationalized Domain Names in Applications (IDNA)',
    'long_description': io.open("README.rst", encoding="UTF-8").read(),
    'author': 'Kim Davies',
    'author_email': 'kim@cynosure.com.au',
    'license': 'BSD-like',
    'url': 'https://github.com/kjd/idna',
    'classifiers': [
        'Development Status :: 5 - Production/Stable',
        'Intended Audience :: Developers',
        'Intended Audience :: System Administrators',
        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
        'Programming Language :: Python',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 2.7',
        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Topic :: Internet :: Name Service (DNS)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
    'test_suite': 'tests',
}
```

```
setup(**arguments)
```

```
if __name__ == '__main__':
    main()
```

Found in path(s):

* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/setup.py

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Metadata-Version: 1.2

Name: idna

Version: 2.8

Summary: Internationalized Domain Names in Applications (IDNA)

Home-page: <https://github.com/kjd/idna>

Author: Kim Davies

Author-email: kim@cynosure.com.au

License: BSD-like

Description: Internationalized Domain Names in Applications (IDNA)

=====

Support for the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5891 <<http://tools.ietf.org/html/rfc5891>>_. This is the latest version of the protocol and is sometimes referred to as “IDNA 2008”.

This library also provides support for Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>`_.

This acts as a suitable replacement for the “encodings.idna” module that comes with the Python standard library, but only supports the old, deprecated IDNA specification (RFC 3490 <<http://tools.ietf.org/html/rfc3490>>_).

Basic functions are simply executed:

```
.. code-block:: pycon

# Python 3
>>> import idna
>>> idna.encode('.')
b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
.

# Python 2
>>> import idna
>>> idna.encode(u'.')
'xn--eckwd4c7c.xn--zckzah'
>>> print idna.decode('xn--eckwd4c7c.xn--zckzah')
.
```

Packages

The latest tagged release version is published in the PyPI repository:

```
.. image:: https://badge.fury.io/py/idna.svg
:target: http://badge.fury.io/py/idna
```

Installation

To install this library,
you can use pip:

```
.. code-block:: bash
```

```
$ pip install idna
```

Alternatively, you can install the package using the bundled setup script:

```
.. code-block:: bash
```

```
$ python setup.py install
```

This library works with Python 2.7 and Python 3.4 or later.

Usage

For typical usage, the `encode` and `decode` functions will take a domain name argument and perform a conversion to A-labels or U-labels respectively.

```
.. code-block:: pycon
```

```
# Python 3
>>> import idna
>>> idna.encode('.')
b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
.
```

You may use the codec encoding and decoding methods using the `idna.codec` module:

```
.. code-block:: pycon
```

```
# Python 2
>>> import idna.codec
>>> print u'.'.encode('idna')
xn--80ahd1agd.xn--80akhbyknj4f
>>> print 'xn--80ahd1agd.xn--80akhbyknj4f'.decode('idna')
.
```

Conversions can be applied at a per-label basis using the `ulabel` or `alabel` functions if necessary:

```
.. code-block:: pycon
```

```
# Python 2
>>> idna.alabel(u")
'xn--0zwm56d'
```

Compatibility Mapping (UTS #46)

+++++

As described in `RFC 5895 <<http://tools.ietf.org/html/rfc5895>>`, the IDNA specification no longer normalizes input from different potential ways a user may input a domain name. This functionality, known as a “mapping”, is now considered by the specification to be a local user-interface issue distinct from IDNA conversion functionality.

This library provides one such mapping, that was developed by the Unicode Consortium. Known as `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>`, it provides for both a regular mapping for typical applications, as well as a transitional mapping to help migrate from older IDNA 2003 applications.

For example, “Königsgäßchen” is not a permissible label as *LATIN CAPITAL LETTER K* is not allowed (nor are capital letters in general). UTS 46 will convert this into lower case prior to applying the IDNA conversion.

.. code-block:: pycon

```
# Python 3
>>> import idna
>>> idna.encode(u'Königsgäßchen')
...
idna.core.InvalidCodepoint: Codepoint U+004B at position 1 of 'Königsgäßchen' not allowed
>>> idna.encode('Königsgäßchen', uts46=True)
b'xn--knigsgchen-b4a3dun'
>>> print(idna.decode('xn--knigsgchen-b4a3dun'))
königsgäßchen
```

Transitional processing provides conversions to help transition from the older 2003 standard to the current standard. For example, in the original IDNA specification, the *LATIN SMALL LETTER SHARP S* (ß) was converted into two *LATIN SMALL LETTER S* (ss), whereas in the current IDNA specification this conversion is not performed.

.. code-block:: pycon

```
# Python 2
>>> idna.encode(u'Königsgäßchen', uts46=True, transitional=True)
'xn--knigsgsschen-lcb0w'
```

Implementors should use transitional processing with caution, only in rare

cases where conversion from legacy labels to current labels must be performed (i.e. IDNA implementations that pre-date 2008). For typical applications that just need to convert labels, transitional processing is unlikely to be beneficial and could produce unexpected incompatible results.

`encodings.idna` Compatibility

+++++

Function calls from the Python built-in `encodings.idna` module are mapped to their IDNA 2008 equivalents using the `idna.compat` module. Simply substitute the `import` clause in your code to refer to the new module name.

Exceptions

All errors raised during the conversion following the specification should raise an exception derived from the `idna.IDNAError` base class.

More specific exceptions that may be generated as `idna.IDNABidiError` when the error reflects an illegal combination of left-to-right and right-to-left characters in a label; `idna.InvalidCodepoint` when a specific codepoint is an illegal character in an IDN label (i.e. INVALID); and `idna.InvalidCodepointContext` when the codepoint is illegal based on its positional context (i.e. it is CONTEXTO or CONTEXTJ but the contextual requirements are not satisfied.)

Building and Diagnostics

The IDNA and UTS 46 functionality relies upon pre-calculated lookup tables for performance. These tables are derived from computing against eligibility criteria in the respective standards. These tables are computed using the command-line script `tools/idna-data`.

This tool will fetch relevant tables from the Unicode Consortium and perform the required calculations to identify eligibility. It has three main modes:

* `idna-data make-libdata`. Generates `idnadata.py` and `uts46data.py`, the pre-calculated lookup tables using for IDNA and UTS 46 conversions. Implementors who wish to track this library against a different Unicode version may use this tool to manually generate a different version of the `idnadata.py` and `uts46data.py` files.

* `idna-data make-table`. Generate a table of the IDNA disposition (e.g. PVALID, CONTEXTJ, CONTEXTO) in the format found in Appendix B.1 of RFC

5892 and the pre-computed tables published by IANA <<http://iana.org/>>.

* `idna-data U+0061`. Prints debugging output on the various properties associated with an individual Unicode codepoint (in this case, U+0061), that are used to assess the IDNA and UTS 46 status of a codepoint. This is helpful in debugging or analysis.

The tool accepts a number of arguments, described using `idna-data -h`. Most notably, the `--version` argument allows the specification of the version of Unicode to use in computing the table data. For example, `idna-data --version 9.0.0 make-libdata` will generate library data against Unicode 9.0.0.

Note that this script requires Python 3, but all generated library data will work in Python 2.7.

Testing

The library has a test suite based on each rule of the IDNA specification, as well as tests that are provided as part of the Unicode Technical Standard 46, Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>.

The tests are run automatically on each commit at Travis CI:

```
.. image:: https://travis-ci.org/kjd/idna.svg?branch=master
   :target: https://travis-ci.org/kjd/idna
```

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: System Administrators

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language

:: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Topic :: Internet :: Name Service (DNS)

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Classifier: Topic :: Utilities

Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*

Found in path(s):

* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/idna.egg-info/PKG-INFO
* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/PKG-INFO

1.233 alsa-topology-conf 1.2.2-1

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1.234 chardet 3.0.4-4build1

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1.235 liberror-perl 0.17029-1

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1.237 goprotobuf 1.4.3

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1.238 supervisor 4.1.0-1ubuntu1

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1.239 xpp 1.1.3.3

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1.240 zstd 1.4.4+dfsg-3ubuntu0.1

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/* checkTag : validation tool for libzstd

* command :

* \$./checkTag tag

* checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any }

* The tag is then compared to zstd version number.

* They are compatible if first 3 digits are identical.

* Anything beyond that is free, and doesn't impact validation.

* Example : tag v1.8.1.2 is compatible with version 1.8.1

* When tag and version are not compatible, program exits with error code 1.

* When they are compatible, it exists with a code 0.

* checkTag is intended to be used in automated testing environment.

*/

1.241 libtasn 4.16.0-2

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Version 2.1, February 1999

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

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section 10

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1.243 gorilla 1.8.0

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1.244 jline 2.14.6

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1.245 go-units 0.4.0

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1.246 pkg-sftp 1.12.0

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1.247 lann-ps 0.0.0-20150810152359-62de8c46ede0

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1.248 ubuntu-keyring 2020.02.11.4

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1.249 tablewriter 0.0.5

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1.250 json-java 20131018

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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/Keep.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/BitInputStream.java
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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/PostMortem.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/TrieKeep.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/JSONzip.java
*

/opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/Huff.java

* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/Kim.java

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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/CookieList.java

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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/CDL.java

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1.251 commons-lang3 3.12.0

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1.252 x-time-rate 0.0.0-20210220033141- f8bda1e9f3ba

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1.253 tacacs-plus 2.6

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1.254 python-pam 1.8.4

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1.255 tenacity 7.0.0

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1.256 cachecontrol 0.12.6

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1.257 contextlib2 0.6.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

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Release	Derived	Year	Owner	GPL-
	from			compatible? (1)

2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
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1.258 msgpack 1.0.2

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1.259 zstd 1.4.1

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Upstream-Name: lz4

Source: <https://github.com/Cyan4973/lz4>

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1.262 python-stdlib-extensions 3.8.10-

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A grammar to describe tree matching patterns.

Not shown here:

- 'TOKEN' stands for any token (leaf node)

- 'any' stands for any node (leaf or interior)

With 'any' we can still specify the sub-structure.

The start symbol is 'Matcher'.

Matcher: Alternatives ENDMARKER

Alternatives: Alternative (' Alternative)*

Alternative: (Unit | NegatedUnit)+

Unit: [NAME '='] (STRING [Repeater]
| NAME [Details] [Repeater]
| '(' Alternatives ')' [Repeater]
| '[' Alternatives '']
)

NegatedUnit: 'not' (STRING | NAME [Details] | '(' Alternatives ')')

Repeater: '*' | '+' | '{' NUMBER [, NUMBER] '}'

Details: '<' Alternatives '>'

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*

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_execfile.py

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/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_long.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pytree.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/pytree.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_repr.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_exec.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixer_base.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/refactor.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_ne.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_has_key.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_apply.py
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/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_exec.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_xrange.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_buffer.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_types.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_filter.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_filter.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_buffer.py

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/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_types.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_filter.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_map.py
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version.

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/command/bdist_msi.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/command/bdist_msi.py
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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/command/bdist_wininst.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/command/bdist_msi.py
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/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/command/bdist_wininst.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/cygwincompiler.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/cygwincompiler.py
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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/pgen2/tokenize.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pgen2/tokenize.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/pgen2/tokenize.py
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executable.

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/spawn.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/spawn.py

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```
file.write('License: %s\n' % self.get_license())
```

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1.263 markupsafe 2.0.1

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1.264 libnettle6 3.5.1+really3.5.1-2ubuntu0.2

1.264.1 Available under license :

/* nettle-internal.c

Things that are used only by the testsuite and benchmark, and not included in the library.

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Upstream-Name: Nettle

Upstream-Contact: Niels Miller <nisse@lysator.liu.se>

Source: <http://www.lysator.liu.se/~nisse/nettle/>

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.

A list of the supported algorithms, their origins and licenses (from the manual):

.

AES

The implementation of the AES cipher (also known as rijndael) is written by Rafael Sevilla. Assembler for x86 by Rafael Sevilla and Niels Miller, Sparc assembler by Niels Miller. Released under the LGPL.

.

ARCFOUR

The implementation of the ARCFOUR (also known as RC4) cipher is written by Niels Miller. Released under the LGPL.

.

ARCTWO

The implementation of the ARCTWO (also known as RC2) cipher is written by Nikos Mavroyanopoulos and modified by Werner Koch and Simon Josefsson. Released under the LGPL.

.

BLOWFISH

The implementation of the BLOWFISH cipher is written by Werner Koch, copyright owned by the Free Software Foundation. Also hacked by Simon Josefsson and Niels Miller. Released under the LGPL.

.

CAMELLIA

The C implementation is by Nippon Telegraph and Telephone Corporation (NTT), heavily modified by Niels Miller. Assembler for x86 and x86_64 by Niels Miller. Released under the LGPL.

.

CAST128

The implementation of the CAST128 cipher is written by Steve Reid.
Released into the public domain.

.

DES

The implementation of the DES cipher is written by Dana L. How, and released under the LGPL.

.

MD2

The implementation of MD2 is written by Andrew Kuchling, and hacked some by Andreas Sigfridsson and Niels Miller. Python Cryptography Toolkit license (essentially public domain).

.

MD4

This is almost the same code as for MD5 below, with modifications by Marcus Comstedt. Released into the public domain.

.

MD5

The implementation of the MD5 message digest is written by Colin Plumb. It has been hacked some more by Andrew Kuchling and Niels Miller. Released into the public domain.

.

SERPENT

The implementation of the SERPENT is based on the code in libgcrypt, copyright owned by the Free Software Foundation. Adapted to Nettle by Simon Josefsson and heavily modified by Niels Miller. Assembly for x86_64 by Niels Miller. Released under the LGPL.

.

SHA1

The C implementation of the SHA1 message digest is written by Peter Gutmann, and hacked some more by Andrew Kuchling and Niels Miller. Released into the public domain. Assembler for x86 by Niels Miller, released under the LGPL.

.

SHA224, SHA256, SHA384, and SHA512

Written by Niels Miller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

.

TWOFISH

The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

.

RSA

Written by Niels Miller, released under the LGPL. Uses the GMP library for bignum operations.

.

DSA

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Files: base64.h base64-meta.c

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Files: blowfish.c

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Files: blowfish.h

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Files: camellia-table.c camellia-crypt-internal.c

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1.270 mime-pull 1.9.15

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[PCRE]

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Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

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

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[Misc
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[zlib]

```
/* zlib.h -- interface of
the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005
```

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Jean-loup
Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

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

*/

[dialyzer]

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[edoc, syntax_tools]

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[leex]

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[ldap]

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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1.277 cglib 3.3

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1.279 distlib 0.3.3

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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The Distutils2 project was started by Tarek Ziad and is currently
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distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

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1.283 jcmturner-aescts 1.0.1

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* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-jar/io/grpc/protobuf/ProtoFileDescriptorSupplier.java
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* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-jar/io/grpc/protobuf/ProtoUtils.java

1.300 go-diffliB 1.0.0

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1.301 properties 1.8.5

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1.302 soheilhy-cmux 0.1.5

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1.303 x-net 0.0.0-20210614182718-04defd469f4e

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1.304 klauspost-compress 1.12.2

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1.305 jcmtturner-rpc 2.0.3

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1.306 jcmtturner-aescts 2.0.0

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1.307 jcmtturner-dnsutils 2.0.0

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1.308 zap 1.18.1

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1.310 viper 1.8.1

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1.311 go-uber-org-multierr 1.7.0

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1.312 prometheus-procfs 0.6.0

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1.315 go.uber.org/atomi 1.8.0

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1.316 openzipkin-zipkin-go 0.2.5

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1.318 x-crypto 0.0.0-20210616213533-5ff15b29337e

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1.320 blackfriday 2.0.1

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1.321 grpc-ecosystem-go-grpc-middleware

1.3.0

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1.322 zap 1.17.0

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1.323 xxhash 2.1.2

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1.324 go-openapi-swag 0.19.14

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1.325 netns 0.0.0-20210104183010- 2eb08e3e575f

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1.326 msgp 1.1.6

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1.329 zap 1.19.0

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1.330 prometheus-common 0.26.0

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1.331 google-go-cmp 0.5.5

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1.332 spf13-pflag 1.0.5

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1.333 golang-glog 0.0.0-20160126235308-23def4e6c14b

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1.334 google-go-cmp 0.5.4

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1.335 soheilhy-cmux 0.1.4

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1.336 grpc-ecosystem-go-grpc-middleware

1.2.2

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1.337 cidranger 1.0.2

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1.338 evanphx-json-patch 4.9.0+incompatible

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1.340 mitchellh-mapstructure 1.1.2

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1.341 moby-locker 1.0.1

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1.342 aec 1.0.0

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1.343 shlex 0.0.0-20191202100458-e7afc7fbc510

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1.345 docker-go-metrics 0.0.1

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1.346 fvbommel-sortorder 1.0.1

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1.347 bits-and-blooms-bitset 1.2.0

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1.348 x-sys 0.0.0-20201119102817-f84b799fce68

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1.349 rcrowley-go-metrics 0.0.0-20201227073835-cf1acfcdf475

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1.350 go-sysconf 0.3.5

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1.351 easyjson 0.7.6

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1.352 gopsutil 3.21.4+incompatible

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1.353 go-asn1-ber-asn1-ber 1.5.1

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1.354 go-errors-errors 1.0.1

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1.355 go-test-deep 1.0.7

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1.356 go-ldap-ldap 3.2.4

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1.357 k-sone-critbitgo 1.3.1- 0.20191024122315-48c9e1530131

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1.358 etcd 3.3.15+incompatible

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

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

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1.359 go-errors-errors 1.2.0

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1.360 gopkg-in/ldap 2.5.1

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1.361 flag 1.7.4-pre

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1.362 golang-glog 0.0.0-20210429001901-424d2337a529

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1.363 gopkg.in-asn1-ber 1.0.0- 20181015200546-f715ec2f112d

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1.364 go-errors-errors 1.0.2

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1.365 go-asn1-ber-asn1-ber 1.5.3

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1.366 pkg-sftp 1.13.0

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1.367 go.uber.org/atomi 1.5.0

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1.368 lithammer-dedent 1.1.0

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1.369 fiorix-go-diameter 3.0.2+incompatible

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#

Please keep the list sorted.

#

Use the following command to generate the list

#

git shortlog -se | awk '{print \$2 " " \$3 " " \$4}'

#

and do appropriate cleanups.

DanB <danb@cgrates.org>

David Wilkie <dwilkie@gmail.com>
Seyi Ogunyemi <micrypt@users.noreply.github.com>
Tapio <fitase@emblacom.com>
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1.370 ishidawataru-sctp 0.0.0- 20210226210310-f2269e66cdee

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1.371 grpc-ecosystem-go-grpc-middleware

1.0.1-0.20190118093823-f849b5445de4

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1.372 openzipkin-contrib-zipkin-go-opentracing 0.4.5

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1.373 go-ldap-ldap 3.3.0

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1.374 netlink 0.0.0-20170802012344-a95659537721

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1.375 x-net 0.0.0-20210119194325-5f4716e94777

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1.376 trylock 0.0.0-20191027065348-ff7e133a5c54

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1.377 eapache-channels 1.1.0

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1.378 monochromegane-go-gitignore 0.0.0-20200626010858-205db1a8cc00

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1.379 moby-spdystream 0.2.0

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1.380 gopkg.in-yaml 3.0.0-20210107192922- 496545a6307b

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1.381 goleak 1.1.10

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1.382 clockwork 0.2.2

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Clockwork - a clock process to replace cron

=====

Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.](http://adam.heroku.com/past/2010/4/13/rethinking_cron/)

Clockwork is a cron replacement. It runs as a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example, refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

Quickstart

Create clock.rb:

```
require 'clockwork'
include Clockwork

handler do |job|
  puts "Running #{job}"
end

every(10.seconds, 'frequent.job')
every(3.minutes, 'less.frequent.job')
every(1.hour, 'hourly.job')

every(1.day, 'midnight.job', :at => '00:00')
```

Run it with the clockwork binary:

```
$ clockwork clock.rb
[2010-05-25 18:16:46 -0700] Starting clock for 4 events: [ frequent.job less.frequent.job hourly.job midnight.job ]
[2010-05-25 18:16:46 -0700] -> frequent.job
```

Use with queueing

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as

[Delayed Job](<http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job>),

[Beanstalk/Stalker](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/),

[RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/),

or

[Resque](<http://github.com/blog/542-introducing-resque>). This design allows a simple clock process with no locks, but also offers

near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```
require 'stalker'

handler { |job| Stalker.enqueue(job) }

every(1.hour, 'feeds.refresh')
```



```
every(1.day, 'reminders.send', :at => '01:30')
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the clock process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment, and use per-event blocks to call DJ or Resque enqueue methods. For example, with DJ/Rails:

```
require 'config/boot'  
require 'config/environment'  
  
every(1.hour, 'feeds.refresh') { Feed.send_later(:refresh) }  
every(1.day, 'reminders.send', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

Anatomy of a clock file

clock.rb is standard Ruby. Since we include the Clockwork module (the clockwork binary does this automatically, or you can do it explicitly), this exposes a small DSL ("handler" and "every") to define the handler for events, and then the events themselves.

The handler typically looks like this:

```
handler { |job| enqueue_your_job(job) }
```

This block will be invoked every time an event is triggered, with the job name passed in. In most cases, you should be able to pass the job name directly through to your queueing system.

The second part of the file are the events, which roughly resembles a crontab:

```
every(5.minutes, 'thing.do')  
every(1.hour, 'otherthing.do')
```

In the first line of this example, an event will be triggered once every five minutes, passing the job name 'thing.do' into the handler. The handler shown above would thus call `enqueue_your_job('thing.do')`.

You can also pass a custom block to the handler, for job queueing systems that rely on classes rather than job names (i.e. DJ and Resque). In this case, you need not define a general event handler, and instead provide one with each event:

```
every(5.minutes,  
'thing.do') { Thing.send_later(:do) }
```

If you provide a custom handler for the block, the job name is used only for logging.

You can also use blocks to do more complex checks:

```
every(1.day, 'check.leap.year') do
  Stalker.enqueue('leap.year.party') if Time.now.year % 4 == 0
end
```

In production

Only one clock process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

- * App server 1: 3 web (thin start), 3 workers (rake jobs:work), 1 clock (clockwork clock.rb)
- * App server 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your clock process running the same way you keep your web and workers running.

Meta

Created by Adam Wiggins

Inspired by [rufus-scheduler](<http://rufus.rubyforge.org/rufus-scheduler/>) and [<http://github.com/bvandenbos/resque-scheduler>]([resque-scheduler](http://github.com/bvandenbos/resque-scheduler))

Design

assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan

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<http://github.com/adamwiggins/clockwork>

Found in path(s):

* /opt/cola/permits/1213082843_1634008352.31/0/clockwork-0-2-2-1-gem/data-tar-gz/README.md

1.383 go-uber-org-multierr 1.4.0

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1.384 gopkg.in-yaml 3.0.0-20200313102051-9f266ea9e77c

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1.385 fsnotify 1.4.9

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1.386 testify 1.7.0

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1.387 makenowjust-heredoc 1.0.0

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1.391 kr-pretty 0.1.0

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1.393 gotenv 1.2.0

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1.394 gopkg.in-ini 1.51.0

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1.395 golang-snappy 0.0.1

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1.396 golang-snappy 0.0.3

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1.397 mitchellh-mapstructure 1.4.1

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1.398 golang-snappy 0.0.4

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1.399 go-systemd 0.0.0-20190321100706-95778dfbb74e

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1.401 gopkg.in-yaml 2.3.0

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1.402 gopkg.in-ini 1.62.0

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1.414 go-unsnap-stream 0.0.0- 20210130063903-47dfef350d96

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1.415 go-errors-errors 1.1.1

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1.416 yerden-go-util 1.1.3

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1.417 go-farm 0.0.0-20200201041132-a6ae2369ad13

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1.418 k-sone-critbitgo 1.4.0

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1.419 cheggaaa-pb 1.0.28

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1.420 go.etcd.io-bbolt 1.3.6

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1.421 grpc-websocket-proxy 0.0.0-20201229170055-e5319fda7802

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1.422 btree 1.0.1

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1.423 abbot-go-http-auth 0.4.0

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1.424 prometheus-procfs 0.7.2

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.425 smartystreets-goconvey 1.6.4

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1.428 pkg-sftp 1.13.4

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1.429 ishidawataru-sctp 0.0.0- 20210707070123-9a39160e9062

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1.430 pyvmomi 7.0.3

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1.432 go-sysconf 0.3.7

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1.433 gls 4.20.0+incompatible

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```
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-  
gz/KhronosGroup-glslang-5798d23/SPIRV/bitutils.h  
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-  
gz/KhronosGroup-glslang-5798d23/SPIRV/hex_float.h  
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-  
gz/KhronosGroup-glslang-5798d23/gtests/HexFloat.cpp
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- * /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/preprocessor/PpAtom.cpp
- * /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/preprocessor/PpTokens.h

```
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/preprocessor/PpScanner.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/preprocessor/PpContext.h
*
/opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/preprocessor/PpContext.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/preprocessor/PpTokens.cpp
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```
/* Bison implementation for Yacc-like parsers in C
```

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```

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```
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//
```

```
/**
```

```
* This is bison grammar and productions for parsing all versions of the  
* GLSL shading languages.
```

```
*/
```

```
{
```

```
/* Based on:
```

```
ANSI C Yacc grammar
```

In 1985, Jeff Lee published his Yacc grammar (which is accompanied by a matching Lex specification) for the April 30, 1985 draft version of the ANSI C standard. Tom Stockfisch reposted it to net.sources in 1987; that original, as mentioned in the answer to question 17.25 of the comp.lang.c FAQ, can be ftp'ed from ftp.uu.net, file usenet/net.sources/ansi.c.grammar.Z.

I intend to keep this version as close to the current C Standard grammar as possible; please let me know if you discover discrepancies.

Jutta Degener, 1995

```
*/
```

```
#include "SymbolTable.h"  
#include "ParseHelper.h"  
#include "../Public/ShaderLang.h"  
#include "attribute.h"
```

```
using namespace glslang;
```

```
% }
```

```
%define parse.error verbose
```

```
%union {  
    struct {  
        glslang::TSourceLoc loc;  
        union {  
            glslang::TString *string;
```

```

    int i;
    unsigned int u;
    long long i64;
    unsigned long long u64;
    bool b;
    double d;
};
glslang::TSymbol* symbol;
} lex;
struct {
    glslang::TSourceLoc loc;
    glslang::TOperator op;
    union
{
    TIntermNode* intermNode;
    glslang::TIntermNodePair nodePair;
    glslang::TIntermTyped* intermTypedNode;
    glslang::TAttributes* attributes;
};
    union {
        glslang::TPublicType type;
        glslang::TFunction* function;
        glslang::TParameter param;
        glslang::TTypeLoc typeLine;
        glslang::TTypeList* typeList;
        glslang::TArraySizes* arraySizes;
        glslang::TIdentifierList* identifierList;
    };
} interm;
}

%{

/* windows only pragma */
#ifdef _MSC_VER
    #pragma warning(disable : 4065)
    #pragma warning(disable : 4127)
    #pragma warning(disable : 4244)
#endif

#define parseContext (*pParseContext)
#define yyerror(context, msg) context->parserError(msg)

extern int yylex(YYSTYPE*, TParseContext&);

%}

%parse-param {glslang::TParseContext* pParseContext}

```

```

%lex-param {parseContext}
%pure-parser // enable thread safety
%expect 1 // One shift reduce
conflict because of if | else

%token <lex> ATTRIBUTE VARYING
%token <lex> FLOAT16_T FLOAT FLOAT32_T DOUBLE FLOAT64_T
%token <lex> CONST BOOL INT UINT INT64_T UINT64_T INT32_T UINT32_T INT16_T UINT16_T INT8_T
UINT8_T
%token <lex> BREAK CONTINUE DO ELSE FOR IF DISCARD RETURN SWITCH CASE DEFAULT
SUBROUTINE
%token <lex> BVEC2 BVEC3 BVEC4
%token <lex> IVEC2 IVEC3 IVEC4
%token <lex> UVEC2 UVEC3 UVEC4
%token <lex> I64VEC2 I64VEC3 I64VEC4
%token <lex> U64VEC2 U64VEC3 U64VEC4
%token <lex> I32VEC2 I32VEC3 I32VEC4
%token <lex> U32VEC2 U32VEC3 U32VEC4
%token <lex> I16VEC2 I16VEC3 I16VEC4
%token <lex> U16VEC2 U16VEC3 U16VEC4
%token <lex> I8VEC2 I8VEC3 I8VEC4
%token <lex> U8VEC2 U8VEC3 U8VEC4
%token <lex> VEC2 VEC3 VEC4
%token <lex> MAT2 MAT3 MAT4 CENTROID IN OUT INOUT
%token <lex> UNIFORM PATCH SAMPLE BUFFER SHARED
%token <lex> COHERENT VOLATILE RESTRICT READONLY WRITEONLY
%token <lex> DVEC2 DVEC3 DVEC4 DMAT2 DMAT3 DMAT4
%token <lex> F16VEC2 F16VEC3 F16VEC4 F16MAT2 F16MAT3 F16MAT4
%token <lex>
F32VEC2 F32VEC3 F32VEC4 F32MAT2 F32MAT3 F32MAT4
%token <lex> F64VEC2 F64VEC3 F64VEC4 F64MAT2 F64MAT3 F64MAT4
%token <lex> NOPERSPECTIVE FLAT SMOOTH LAYOUT __EXPLICITINTERPAMD

%token <lex> MAT2X2 MAT2X3 MAT2X4
%token <lex> MAT3X2 MAT3X3 MAT3X4
%token <lex> MAT4X2 MAT4X3 MAT4X4
%token <lex> DMAT2X2 DMAT2X3 DMAT2X4
%token <lex> DMAT3X2 DMAT3X3 DMAT3X4
%token <lex> DMAT4X2 DMAT4X3 DMAT4X4
%token <lex> F16MAT2X2 F16MAT2X3 F16MAT2X4
%token <lex> F16MAT3X2 F16MAT3X3 F16MAT3X4
%token <lex> F16MAT4X2 F16MAT4X3 F16MAT4X4
%token <lex> F32MAT2X2 F32MAT2X3 F32MAT2X4
%token <lex> F32MAT3X2 F32MAT3X3 F32MAT3X4
%token <lex> F32MAT4X2 F32MAT4X3 F32MAT4X4
%token <lex> F64MAT2X2 F64MAT2X3 F64MAT2X4
%token <lex> F64MAT3X2 F64MAT3X3 F64MAT3X4
%token <lex> F64MAT4X2 F64MAT4X3 F64MAT4X4

```

```

%token <lex> ATOMIC_UINT

// combined image/sampler
%token <lex> SAMPLER1D SAMPLER2D SAMPLER3D SAMPLERCUBE SAMPLER1DSHADOW
SAMPLER2DSHADOW
%token <lex> SAMPLERCUBESHADOW SAMPLER1DARRAY SAMPLER2DARRAY
SAMPLER1DARRAYSHADOW
%token
<lex> SAMPLER2DARRAYSHADOW ISAMPLER1D ISAMPLER2D ISAMPLER3D ISAMPLERCUBE
%token <lex> ISAMPLER1DARRAY ISAMPLER2DARRAY USAMPLER1D USAMPLER2D USAMPLER3D
%token <lex> USAMPLERCUBE USAMPLER1DARRAY USAMPLER2DARRAY
%token <lex> SAMPLER2DRECT SAMPLER2DRECTSHADOW ISAMPLER2DRECT USAMPLER2DRECT
%token <lex> SAMPLERBUFFER ISAMPLERBUFFER USAMPLERBUFFER
%token <lex> SAMPLERCUBEARRAY SAMPLERCUBEARRAYSHADOW
%token <lex> ISAMPLERCUBEARRAY USAMPLERCUBEARRAY
%token <lex> SAMPLER2DMS ISAMPLER2DMS USAMPLER2DMS
%token <lex> SAMPLER2DMSARRAY ISAMPLER2DMSARRAY USAMPLER2DMSARRAY
%token <lex> SAMPLEREXTERNALOES

%token <lex> F16SAMPLER1D F16SAMPLER2D F16SAMPLER3D F16SAMPLER2DRECT
F16SAMPLERCUBE
%token <lex> F16SAMPLER1DARRAY F16SAMPLER2DARRAY F16SAMPLERCUBEARRAY
%token <lex> F16SAMPLERBUFFER F16SAMPLER2DMS F16SAMPLER2DMSARRAY
%token <lex> F16SAMPLER1DSHADOW F16SAMPLER2DSHADOW F16SAMPLER1DARRAYSHADOW
F16SAMPLER2DARRAYSHADOW
%token <lex> F16SAMPLER2DRECTSHADOW F16SAMPLERCUBESHADOW
F16SAMPLERCUBEARRAYSHADOW

//
pure sampler
%token <lex> SAMPLER SAMPLERSHADOW

// texture without sampler
%token <lex> TEXTURE1D TEXTURE2D TEXTURE3D TEXTURECUBE
%token <lex> TEXTURE1DARRAY TEXTURE2DARRAY
%token <lex> ITEXTURE1D ITEXTURE2D ITEXTURE3D ITEXTURECUBE
%token <lex> ITEXTURE1DARRAY ITEXTURE2DARRAY UTEXTURE1D UTEXTURE2D UTEXTURE3D
%token <lex> UTEXTURECUBE UTEXTURE1DARRAY UTEXTURE2DARRAY
%token <lex> TEXTURE2DRECT ITEXTURE2DRECT UTEXTURE2DRECT
%token <lex> TEXTUREBUFFER ITEXTUREBUFFER UTEXTUREBUFFER
%token <lex> TEXTURECUBEARRAY ITEXTURECUBEARRAY UTEXTURECUBEARRAY
%token <lex> TEXTURE2DMS ITEXTURE2DMS UTEXTURE2DMS
%token <lex> TEXTURE2DMSARRAY ITEXTURE2DMSARRAY UTEXTURE2DMSARRAY

%token <lex> F16TEXTURE1D F16TEXTURE2D F16TEXTURE3D F16TEXTURE2DRECT
F16TEXTURECUBE
%token <lex> F16TEXTURE1DARRAY F16TEXTURE2DARRAY F16TEXTURECUBEARRAY
%token <lex> F16TEXTUREBUFFER F16TEXTURE2DMS F16TEXTURE2DMSARRAY

```

```

// input attachments
%token <lex> SUBPASSINPUT SUBPASSINPUTMS ISUBPASSINPUT ISUBPASSINPUTMS
USUBPASSINPUT USUBPASSINPUTMS
%token
<lex> F16SUBPASSINPUT F16SUBPASSINPUTMS

%token <lex> IMAGE1D IIMAGE1D UIMAGE1D IMAGE2D IIMAGE2D
%token <lex> UIMAGE2D IMAGE3D IIMAGE3D UIMAGE3D
%token <lex> IMAGE2DRECT IIMAGE2DRECT UIMAGE2DRECT
%token <lex> IMAGECUBE IIMAGECUBE UIMAGECUBE
%token <lex> IMAGEBUFFER IIMAGEBUFFER UIMAGEBUFFER
%token <lex> IMAGE1DARRAY IIMAGE1DARRAY UIMAGE1DARRAY
%token <lex> IMAGE2DARRAY IIMAGE2DARRAY UIMAGE2DARRAY
%token <lex> IMAGECUBEARRAY IIMAGECUBEARRAY UIMAGECUBEARRAY
%token <lex> IMAGE2DMS IIMAGE2DMS UIMAGE2DMS
%token <lex> IMAGE2DMSARRAY IIMAGE2DMSARRAY UIMAGE2DMSARRAY

%token <lex> F16IMAGE1D F16IMAGE2D F16IMAGE3D F16IMAGE2DRECT
%token <lex> F16IMAGECUBE F16IMAGE1DARRAY F16IMAGE2DARRAY F16IMAGECUBEARRAY
%token <lex> F16IMAGEBUFFER F16IMAGE2DMS F16IMAGE2DMSARRAY

%token <lex> STRUCT VOID WHILE

%token <lex> IDENTIFIER TYPE_NAME
%token <lex> FLOATCONSTANT DOUBLECONSTANT INT16CONSTANT UINT16CONSTANT
INT32CONSTANT UINT32CONSTANT INTCONSTANT UINTCONSTANT INT64CONSTANT
UINT64CONSTANT
BOOLCONSTANT FLOAT16CONSTANT
%token <lex> LEFT_OP RIGHT_OP
%token <lex> INC_OP DEC_OP LE_OP GE_OP EQ_OP NE_OP
%token <lex> AND_OP OR_OP XOR_OP MUL_ASSIGN DIV_ASSIGN ADD_ASSIGN
%token <lex> MOD_ASSIGN LEFT_ASSIGN RIGHT_ASSIGN AND_ASSIGN XOR_ASSIGN OR_ASSIGN
%token <lex> SUB_ASSIGN

%token <lex> LEFT_PAREN RIGHT_PAREN LEFT_BRACKET RIGHT_BRACKET LEFT_BRACE
RIGHT_BRACE DOT
%token <lex> COMMA COLON EQUAL SEMICOLON BANG DASH TILDE PLUS STAR SLASH PERCENT
%token <lex> LEFT_ANGLE RIGHT_ANGLE VERTICAL_BAR CARET AMPERSAND QUESTION

%token <lex> INVARIANT PRECISE
%token <lex> HIGH_PRECISION MEDIUM_PRECISION LOW_PRECISION PRECISION

%token <lex> PACKED RESOURCE SUPERP

%type <interm> assignment_operator unary_operator
%type <interm.intermTypedNode> variable_identifier primary_expression postfix_expression
%type <interm.intermTypedNode> expression integer_expression assignment_expression

```

```

%type <interm.intermTypedNode> unary_expression multiplicative_expression additive_expression
%type <interm.intermTypedNode>
relational_expression equality_expression
%type <interm.intermTypedNode> conditional_expression constant_expression
%type <interm.intermTypedNode> logical_or_expression logical_xor_expression logical_and_expression
%type <interm.intermTypedNode> shift_expression and_expression exclusive_or_expression
inclusive_or_expression
%type <interm.intermTypedNode> function_call initializer initializer_list condition conditionopt

%type <interm.intermNode> translation_unit function_definition
%type <interm.intermNode> statement simple_statement
%type <interm.intermNode> statement_list switch_statement_list compound_statement
%type <interm.intermNode> declaration_statement selection_statement selection_statement_nonattributed
expression_statement
%type <interm.intermNode> switch_statement switch_statement_nonattributed case_label
%type <interm.intermNode> declaration external_declaration
%type <interm.intermNode> for_init_statement compound_statement_no_new_scope
%type <interm.nodePair>
selection_rest_statement for_rest_statement
%type <interm.intermNode> iteration_statement iteration_statement_nonattributed jump_statement
statement_no_new_scope statement_scoped
%type <interm> single_declaration init_declarator_list

%type <interm> parameter_declaration parameter_declarator parameter_type_specifier

%type <interm> array_specifier
%type <interm.type> precise_qualifier invariant_qualifier interpolation_qualifier storage_qualifier
precision_qualifier
%type <interm.type> layout_qualifier layout_qualifier_id_list layout_qualifier_id

%type <interm.type> type_qualifier fully_specified_type type_specifier
%type <interm.type> single_type_qualifier
%type <interm.type> type_specifier_nonarray
%type <interm.type> struct_specifier
%type <interm.typeLine> struct_declarator
%type <interm.typeList> struct_declarator_list struct_declaration struct_declaration_list type_name_list
%type <interm> block_structure
%type <interm.function> function_header function_declarator
%type <interm.function>
function_header_with_parameters
%type <interm> function_call_header_with_parameters function_call_header_no_parameters function_call_generic
function_prototype
%type <interm> function_call_or_method function_identifier function_call_header

%type <interm.identifierList> identifier_list

%type <interm.attributes> attribute attribute_list single_attribute

```

```

%start translation_unit
%%

variable_identifier
: IDENTIFIER {
    $$ = parseContext.handleVariable($1.loc, $1.symbol, $1.string);
}
;

primary_expression
: variable_identifier {
    $$ = $1;
}
| INT32CONSTANT {
    parseContext.explicitInt32Check($1.loc, "32-bit signed literal");
    $$ = parseContext.intermediate.addConstantUnion($1.i, $1.loc, true);
}
| UINT32CONSTANT {
    parseContext.explicitInt32Check($1.loc, "32-bit signed literal");
    $$ = parseContext.intermediate.addConstantUnion($1.u, $1.loc, true);
}
| INTCONSTANT {
    $$ = parseContext.intermediate.addConstantUnion($1.i,
$1.loc, true);
}
| UINTCONSTANT {
    parseContext.fullIntegerCheck($1.loc, "unsigned literal");
    $$ = parseContext.intermediate.addConstantUnion($1.u, $1.loc, true);
}
| INT64CONSTANT {
    parseContext.int64Check($1.loc, "64-bit integer literal");
    $$ = parseContext.intermediate.addConstantUnion($1.i64, $1.loc, true);
}
| UINT64CONSTANT {
    parseContext.int64Check($1.loc, "64-bit unsigned integer literal");
    $$ = parseContext.intermediate.addConstantUnion($1.u64, $1.loc, true);
}
| INT16CONSTANT {
    parseContext.explicitInt16Check($1.loc, "16-bit integer literal");
    $$ = parseContext.intermediate.addConstantUnion((short)$1.i, $1.loc, true);
}
| UINT16CONSTANT {
    parseContext.explicitInt16Check($1.loc, "16-bit unsigned integer literal");
    $$ = parseContext.intermediate.addConstantUnion((unsigned short)$1.u, $1.loc, true);
}
| FLOATCONSTANT {
    $$ = parseContext.intermediate.addConstantUnion($1.d, EbtFloat, $1.loc, true);
}

```

```

| DOUBLECONSTANT {
    parseContext.doubleCheck($1.loc, "double literal");
    $$ = parseContext.intermediate.addConstantUnion($1.d, EbtDouble, $1.loc, true);
}
| FLOAT16CONSTANT {
    parseContext.float16Check($1.loc, "half float literal");
    $$ = parseContext.intermediate.addConstantUnion($1.d, EbtFloat16, $1.loc, true);
}
| BOOLCONSTANT {
    $$ = parseContext.intermediate.addConstantUnion($1.b, $1.loc, true);
}
| LEFT_PAREN expression RIGHT_PAREN {
    $$ = $2;
    if ($$->getAsConstantUnion())
        $$->getAsConstantUnion()->setExpression();
}
;

```

postfix_expression

```

: primary_expression {
    $$ = $1;
}
| postfix_expression LEFT_BRACKET integer_expression RIGHT_BRACKET {
    $$ = parseContext.handleBracketDereference($2.loc, $1, $3);
}
| function_call {
    $$ = $1;
}
| postfix_expression
DOT IDENTIFIER {
    $$ = parseContext.handleDotDereference($3.loc, $1, *$3.string);
}
| postfix_expression INC_OP {
    parseContext.variableCheck($1);
    parseContext.IValueErrorCheck($2.loc, "++", $1);
    $$ = parseContext.handleUnaryMath($2.loc, "++", EOpPostIncrement, $1);
}
| postfix_expression DEC_OP {
    parseContext.variableCheck($1);
    parseContext.IValueErrorCheck($2.loc, "--", $1);
    $$ = parseContext.handleUnaryMath($2.loc, "--", EOpPostDecrement, $1);
}
;

```

integer_expression

```

: expression {
    parseContext.integerCheck($1, "[]");
    $$ = $1;
}

```



```

}
;

function_call
: function_call_or_method {
    $$ = parseContext.handleFunctionCall($1.loc, $1.function, $1.intermNode);
    delete $1.function;
}
;

function_call_or_method
: function_call_generic {
    $$ = $1;
}
;

function_call_generic
: function_call_header_with_parameters RIGHT_PAREN {
    $$ =
$1;
    $$loc = $2.loc;
}
| function_call_header_no_parameters RIGHT_PAREN {
    $$ = $1;
    $$loc = $2.loc;
}
;

function_call_header_no_parameters
: function_call_header VOID {
    $$ = $1;
}
| function_call_header {
    $$ = $1;
}
;

function_call_header_with_parameters
: function_call_header assignment_expression {
    TParameter param = { 0, new TType };
    param.type->shallowCopy($2->getType());
    $1.function->addParameter(param);
    $$function = $1.function;
    $$intermNode = $2;
}
| function_call_header_with_parameters COMMA assignment_expression {
    TParameter param = { 0, new TType };
    param.type->shallowCopy($3->getType());

```

```

    $1.function->addParameter(param);
    $$function = $1.function;
    $$intermNode = parseContext.intermediate.growAggregate($1.intermNode, $3, $2.loc);
}
;

```

```

function_call_header
: function_identifier LEFT_PAREN {

    $$ = $1;
}
;

```

// Grammar Note: Constructors look like functions, but are recognized as types.

```

function_identifier
: type_specifier {
    // Constructor
    $$intermNode = 0;
    $$function = parseContext.handleConstructorCall($1.loc, $1);
}
| postfix_expression {
    //
    // Should be a method or subroutine call, but we haven't recognized the arguments yet.
    //
    $$function = 0;
    $$intermNode = 0;

    TIntermMethod* method = $1->getAsMethodNode();
    if (method) {
        $$function = new TFunction(&method->getMethodName(), TType(EbtInt), EOpArrayLength);
        $$intermNode = method->getObject();
    } else {
        TIntermSymbol* symbol = $1->getAsSymbolNode();
        if (symbol) {
            parseContext.reservedErrorCheck(symbol->getLoc(), symbol->getName());
            TFunction *function = new TFunction(&symbol->getName(), TType(EbtVoid));
            $$function
= function;
        } else
            parseContext.error($1->getLoc(), "function call, method, or subroutine call expected", "", "");
    }

    if ($$function == 0) {
        // error recover
        TString empty("");
        $$function = new TFunction(&empty, TType(EbtVoid), EOpNull);
    }
}

```

```

}
;

unary_expression
: postfix_expression {
    parseContext.variableCheck($1);
    $$ = $1;
    if (TIntermMethod* method = $1->getAsMethodNode())
        parseContext.error($1->getLoc(), "incomplete method syntax", method->getMethodName().c_str(), "");
}
| INC_OP unary_expression {
    parseContext.IValueErrorCheck($1.loc, "++", $2);
    $$ = parseContext.handleUnaryMath($1.loc, "++", EOpPreIncrement, $2);
}
| DEC_OP unary_expression {
    parseContext.IValueErrorCheck($1.loc, "--", $2);
    $$ = parseContext.handleUnaryMath($1.loc, "--", EOpPreDecrement, $2);
}
| unary_operator unary_expression
{
    if ($1.op != EOpNull) {
        char errorOp[2] = {0, 0};
        switch($1.op) {
            case EOpNegative: errorOp[0] = '-'; break;
            case EOpLogicalNot: errorOp[0] = '!'; break;
            case EOpBitwiseNot: errorOp[0] = '~'; break;
            default: break; // some compilers want this
        }
        $$ = parseContext.handleUnaryMath($1.loc, errorOp, $1.op, $2);
    } else {
        $$ = $2;
        if ($$->getAsConstantUnion())
            $$->getAsConstantUnion()->setExpression();
    }
}
;

// Grammar Note: No traditional style type casts.

unary_operator
: PLUS { $$loc = $1.loc; $$op = EOpNull; }
| DASH { $$loc = $1.loc; $$op = EOpNegative; }
| BANG { $$loc = $1.loc; $$op = EOpLogicalNot; }
| TILDE { $$loc = $1.loc; $$op = EOpBitwiseNot;
    parseContext.fullIntegerCheck($1.loc, "bitwise not"); }
;

// Grammar Note: No '*' or '&' unary ops. Pointers are not
supported.

```

```

multiplicative_expression
: unary_expression { $$ = $1; }
| multiplicative_expression STAR unary_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "*", EOpMul, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
| multiplicative_expression SLASH unary_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "/", EOpDiv, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
| multiplicative_expression PERCENT unary_expression {
    parseContext.fullIntegerCheck($2.loc, "%");
    $$ = parseContext.handleBinaryMath($2.loc, "%", EOpMod, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
;

```

```

additive_expression
: multiplicative_expression { $$ = $1; }
| additive_expression PLUS multiplicative_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "+", EOpAdd, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
| additive_expression DASH multiplicative_expression {
    $$ = parseContext.handleBinaryMath($2.loc,
"-", EOpSub, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
;

```

```

shift_expression
: additive_expression { $$ = $1; }
| shift_expression LEFT_OP additive_expression {
    parseContext.fullIntegerCheck($2.loc, "bit shift left");
    $$ = parseContext.handleBinaryMath($2.loc, "<<", EOpLeftShift, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
| shift_expression RIGHT_OP additive_expression {
    parseContext.fullIntegerCheck($2.loc, "bit shift right");
    $$ = parseContext.handleBinaryMath($2.loc, ">>", EOpRightShift, $1, $3);
    if ($$ == 0)
        $$ = $1;
}

```

```

}
;

relational_expression
: shift_expression { $$ = $1; }
| relational_expression LEFT_ANGLE shift_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "<", EOpLessThan, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
| relational_expression RIGHT_ANGLE shift_expression
{
    $$ = parseContext.handleBinaryMath($2.loc, ">", EOpGreaterThan, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
| relational_expression LE_OP shift_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "<=", EOpLessThanEqual, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
| relational_expression GE_OP shift_expression {
    $$ = parseContext.handleBinaryMath($2.loc, ">=", EOpGreaterThanOrEqual, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
;

equality_expression
: relational_expression { $$ = $1; }
| equality_expression EQ_OP relational_expression {
    parseContext.arrayObjectCheck($2.loc, $1->getType(), "array comparison");
    parseContext.opaqueCheck($2.loc, $1->getType(), "==");
    parseContext.specializationCheck($2.loc,
$1->getType(), "==");
    $$ = parseContext.handleBinaryMath($2.loc, "==", EOpEqual, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
| equality_expression NE_OP relational_expression {
    parseContext.arrayObjectCheck($2.loc, $1->getType(), "array comparison");
    parseContext.opaqueCheck($2.loc, $1->getType(), "!=");
    parseContext.specializationCheck($2.loc, $1->getType(), "!=");
    $$ = parseContext.handleBinaryMath($2.loc, "!=", EOpNotEqual, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
;

```

and_expression

```
: equality_expression { $$ = $1; }
| and_expression AMPERSAND equality_expression {
    parseContext.fullIntegerCheck($2.loc, "bitwise and");
    $$ = parseContext.handleBinaryMath($2.loc, "&", EOpAnd, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
;
```

exclusive_or_expression

```
: and_expression
{ $$ = $1; }
| exclusive_or_expression CARET and_expression {
    parseContext.fullIntegerCheck($2.loc, "bitwise exclusive or");
    $$ = parseContext.handleBinaryMath($2.loc, "^", EOpExclusiveOr, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
;
```

inclusive_or_expression

```
: exclusive_or_expression { $$ = $1; }
| inclusive_or_expression VERTICAL_BAR exclusive_or_expression {
    parseContext.fullIntegerCheck($2.loc, "bitwise inclusive or");
    $$ = parseContext.handleBinaryMath($2.loc, "|", EOpInclusiveOr, $1, $3);
    if ($$ == 0)
        $$ = $1;
}
;
```

logical_and_expression

```
: inclusive_or_expression { $$ = $1; }
| logical_and_expression AND_OP inclusive_or_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "&&", EOpLogicalAnd, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
;
```

logical_xor_expression

```
: logical_and_expression { $$
= $1; }
| logical_xor_expression XOR_OP logical_and_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "^", EOpLogicalXor, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
```

```

}
;

logical_or_expression
: logical_xor_expression { $$ = $1; }
| logical_or_expression OR_OP logical_xor_expression {
    $$ = parseContext.handleBinaryMath($2.loc, "|", EOpLogicalOr, $1, $3);
    if ($$ == 0)
        $$ = parseContext.intermediate.addConstantUnion(false, $2.loc);
}
;

conditional_expression
: logical_or_expression { $$ = $1; }
| logical_or_expression QUESTION {
    ++parseContext.controlFlowNestingLevel;
}
expression COLON assignment_expression {
    --parseContext.controlFlowNestingLevel;
    parseContext.boolCheck($2.loc, $1);
    parseContext.rValueErrorCheck($2.loc, "?", $1);
    parseContext.rValueErrorCheck($5.loc, ":", $4);
    parseContext.rValueErrorCheck($5.loc,
":", $6);
    $$ = parseContext.intermediate.addSelection($1, $4, $6, $2.loc);
    if ($$ == 0) {
        parseContext.binaryOpError($2.loc, ":", $4->getCompleteString(), $6->getCompleteString());
        $$ = $6;
    }
}
;

assignment_expression
: conditional_expression { $$ = $1; }
| unary_expression assignment_operator assignment_expression {
    parseContext.arrayObjectCheck($2.loc, $1->getType(), "array assignment");
    parseContext.opaqueCheck($2.loc, $1->getType(), "=");
    parseContext.specializationCheck($2.loc, $1->getType(), "=");
    parseContext.IValueErrorCheck($2.loc, "assign", $1);
    parseContext.rValueErrorCheck($2.loc, "assign", $3);
    $$ = parseContext.intermediate.addAssign($2.op, $1, $3, $2.loc);
    if ($$ == 0) {
        parseContext.assignError($2.loc, "assign", $1->getCompleteString(), $3->getCompleteString());
        $$ = $1;
    }
}
;

```

```

assignment_operator
: EQUAL {
    $$loc = $1.loc;
    $$op = EOpAssign;
}
| MUL_ASSIGN {
    $$loc = $1.loc;
    $$op = EOpMulAssign;
}
| DIV_ASSIGN {
    $$loc = $1.loc;
    $$op = EOpDivAssign;
}
| MOD_ASSIGN {
    parseContext.fullIntegerCheck($1.loc, "%=");
    $$loc = $1.loc;
    $$op = EOpModAssign;
}
| ADD_ASSIGN {
    $$loc = $1.loc;
    $$op = EOpAddAssign;
}
| SUB_ASSIGN {
    $$loc = $1.loc;
    $$op = EOpSubAssign;
}
| LEFT_ASSIGN {
    parseContext.fullIntegerCheck($1.loc, "bit-shift left assign");
    $$loc = $1.loc; $$op = EOpLeftShiftAssign;
}
| RIGHT_ASSIGN {
    parseContext.fullIntegerCheck($1.loc, "bit-shift right assign");
    $$loc = $1.loc; $$op = EOpRightShiftAssign;
}
| AND_ASSIGN {
    parseContext.fullIntegerCheck($1.loc, "bitwise-and assign");
    $$loc = $1.loc; $$op = EOpAndAssign;
}
| XOR_ASSIGN
{
    parseContext.fullIntegerCheck($1.loc, "bitwise-xor assign");
    $$loc = $1.loc; $$op = EOpExclusiveOrAssign;
}
| OR_ASSIGN {
    parseContext.fullIntegerCheck($1.loc, "bitwise-or assign");
    $$loc = $1.loc; $$op = EOpInclusiveOrAssign;
}
;

```


expression

```
: assignment_expression {
    $$ = $1;
}
| expression COMMA assignment_expression {
    parseContext.samplerConstructorLocationCheck($2.loc, ",", $3);
    $$ = parseContext.intermediate.addComma($1, $3, $2.loc);
    if ($$ == 0) {
        parseContext.binaryOpError($2.loc, ",", $1->getCompleteString(), $3->getCompleteString());
        $$ = $3;
    }
}
;
```

constant_expression

```
: conditional_expression {
    parseContext.constantValueCheck($1, "");
    $$ = $1;
}
;
```

declaration

```
: function_prototype SEMICOLON {
    parseContext.handleFunctionDeclarator($1.loc, *$1.function, true /* prototype */);
    $$ = 0;

    // TODO: 4.0 functionality: subroutines: make the identifier a user type for this signature
}
| init_declarator_list SEMICOLON {
    if ($1.intermNode && $1.intermNode->getAsAggregate())
        $1.intermNode->getAsAggregate()->setOperator(EOpSequence);
    $$ = $1.intermNode;
}
| PRECISION precision_qualifier type_specifier SEMICOLON {
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "precision statement");

    // lazy setting of the previous scope's defaults, has effect only the first time it is called in a particular scope
    parseContext.symbolTable.setPreviousDefaultPrecisions(&parseContext.defaultPrecision[0]);
    parseContext.setDefaultPrecision($1.loc, $3, $2.qualifier.precision);
    $$ = 0;
}
| block_structure SEMICOLON {
    parseContext.declareBlock($1.loc, *$1.typeList);
    $$ = 0;
}
| block_structure IDENTIFIER SEMICOLON {
    parseContext.declareBlock($1.loc, *$1.typeList, $2.string);
}
```

```

    $$ = 0;
}
| block_structure IDENTIFIER array_specifier SEMICOLON {
    parseContext.declareBlock($1.loc, *$1.typeList, $2.string, $3.arraySizes);
    $$ = 0;
}
| type_qualifier SEMICOLON {
    parseContext.globalQualifierFixCheck($1.loc, $1.qualifier);
    parseContext.updateStandaloneQualifierDefaults($1.loc, $1);
    $$ = 0;
}
| type_qualifier IDENTIFIER SEMICOLON {
    parseContext.checkNoShaderLayouts($1.loc, $1.shaderQualifiers);
    parseContext.addQualifierToExisting($1.loc, $1.qualifier, *$2.string);
    $$ = 0;
}
| type_qualifier IDENTIFIER identifier_list SEMICOLON {
    parseContext.checkNoShaderLayouts($1.loc, $1.shaderQualifiers);
    $3->push_back($2.string);
    parseContext.addQualifierToExisting($1.loc, $1.qualifier, *$3);
    $$ = 0;
}
;

block_structure
: type_qualifier IDENTIFIER LEFT_BRACE { parseContext.nestedBlockCheck($1.loc); } struct_declaration_list
RIGHT_BRACE
{
    --parseContext.structNestingLevel;
    parseContext.blockName = $2.string;
    parseContext.globalQualifierFixCheck($1.loc, $1.qualifier);
    parseContext.checkNoShaderLayouts($1.loc, $1.shaderQualifiers);
    parseContext.currentBlockQualifier = $1.qualifier;
    $$loc = $1.loc;
    $$typeList = $5;
}

identifier_list
: COMMA IDENTIFIER {
    $$ = new TIdentifierList;
    $$->push_back($2.string);
}
| identifier_list COMMA IDENTIFIER {
    $$ = $1;
    $$->push_back($3.string);
}
;

```

```

function_prototype
: function_declarator RIGHT_PAREN {
    $$ .function = $1;
    $$ .loc = $2.loc;
}
;

```

```

function_declarator
: function_header {
    $$ = $1;
}
| function_header_with_parameters {
    $$ = $1;
}
;

```

```

function_header_with_parameters
: function_header parameter_declaration {
    // Add the parameter
    $$ = $1;
    if ($2.param.type->getBasicType()
!= EbtVoid)
        $1->addParameter($2.param);
    else
        delete $2.param.type;
}
| function_header_with_parameters COMMA parameter_declaration {
    //
    // Only first parameter of one-parameter functions can be void
    // The check for named parameters not being void is done in parameter_declarator
    //
    if ($3.param.type->getBasicType() == EbtVoid) {
        //
        // This parameter > first is void
        //
        parseContext.error($2.loc, "cannot be an argument type except for '(void)', 'void', '');
        delete $3.param.type;
    } else {
        // Add the parameter
        $$ = $1;
        $1->addParameter($3.param);
    }
}
;

```

```

function_header
: fully_specified_type IDENTIFIER LEFT_PAREN {

```

```

if ($1.qualifier.storage != EvqGlobal && $1.qualifier.storage != EvqTemporary) {
    parseContext.error($2.loc, "no qualifiers allowed for function return",
        GetStorageQualifierString($1.qualifier.storage), "");
}
if ($1.arraySizes)
    parseContext.arraySizeRequiredCheck($1.loc, *$1.arraySizes);

// Add the function as a prototype after parsing it (we do not support recursion)
TFunction *function;
TType type($1);

// Potentially rename shader entry point function. No-op most of the time.
parseContext.renameShaderFunction($2.string);

// Make the function
function = new TFunction($2.string, type);
$$ = function;
}
;

parameter_declarator
// Type + name
: type_specifier IDENTIFIER {
    if ($1.arraySizes) {
        parseContext.profileRequires($1.loc, ENoProfile, 120, E_GL_3DL_array_objects, "arrayed type");
        parseContext.profileRequires($1.loc, EEsProfile, 300, 0, "arrayed type");
        parseContext.arraySizeRequiredCheck($1.loc, *$1.arraySizes);
    }
    if ($1.basicType ==
EbtVoid) {
        parseContext.error($2.loc, "illegal use of type 'void'", $2.string->c_str(), "");
    }
    parseContext.reservedErrorCheck($2.loc, *$2.string);

    TParameter param = {$2.string, new TType($1)};
    $$loc = $2.loc;
    $$param = param;
}
| type_specifier IDENTIFIER array_specifier {
    if ($1.arraySizes) {
        parseContext.profileRequires($1.loc, ENoProfile, 120, E_GL_3DL_array_objects, "arrayed type");
        parseContext.profileRequires($1.loc, EEsProfile, 300, 0, "arrayed type");
        parseContext.arraySizeRequiredCheck($1.loc, *$1.arraySizes);
    }
    parseContext.arrayDimCheck($2.loc, $1.arraySizes, $3.arraySizes);

    parseContext.arraySizeRequiredCheck($3.loc, *$3.arraySizes);
    parseContext.reservedErrorCheck($2.loc, *$2.string);
}

```

```

TParameter param = { $2.string, new TType($1)};
parseContext.arrayDimMerge(*param.type, $3.arraySizes);

$$loc = $2.loc;

$$param = param;
}
;

parameter_declaration
//
// With name
//
: type_qualifier parameter_declarator {
    $$ = $2;
    if ($1.qualifier.precision != EpqNone)
        $$param.type->getQualifier().precision = $1.qualifier.precision;
    parseContext.precisionQualifierCheck($$.loc, $$param.type->getBasicType(), $$param.type->getQualifier());

    parseContext.checkNoShaderLayouts($1.loc, $1.shaderQualifiers);
    parseContext.parameterTypeCheck($2.loc, $1.qualifier.storage, *$$param.type);
    parseContext.paramCheckFix($1.loc, $1.qualifier, *$$param.type);
}
| parameter_declarator {
    $$ = $1;

    parseContext.parameterTypeCheck($1.loc, EvqIn, *$1.param.type);
    parseContext.paramCheckFix($1.loc, EvqTemporary, *$$param.type);
    parseContext.precisionQualifierCheck($$.loc, $$param.type->getBasicType(), $$param.type->getQualifier());
}
//
// Without name
//
| type_qualifier
parameter_type_specifier {
    $$ = $2;
    if ($1.qualifier.precision != EpqNone)
        $$param.type->getQualifier().precision = $1.qualifier.precision;
    parseContext.precisionQualifierCheck($1.loc, $$param.type->getBasicType(), $$param.type->getQualifier());

    parseContext.checkNoShaderLayouts($1.loc, $1.shaderQualifiers);
    parseContext.parameterTypeCheck($2.loc, $1.qualifier.storage, *$$param.type);
    parseContext.paramCheckFix($1.loc, $1.qualifier, *$$param.type);
}
| parameter_type_specifier {
    $$ = $1;

```

```

    parseContext.parameterTypeCheck($1.loc, EvqIn, *$1.param.type);
    parseContext.paramCheckFix($1.loc, EvqTemporary, *$$param.type);
    parseContext.precisionQualifierCheck($$.loc, $$param.type->getBasicType(), $$param.type->getQualifier());
}
;

parameter_type_specifier
: type_specifier {
    TParameter param = { 0, new TType($1) };
    $$param = param;
    if ($1.arraySizes)
        parseContext.arraySizeRequiredCheck($1.loc, *$1.arraySizes);
}
;

init_declarator_list
: single_declaration {
    $$ = $1;
}
| init_declarator_list COMMA IDENTIFIER {
    $$ = $1;
    parseContext.declareVariable($3.loc, *$3.string, $1.type);
}
| init_declarator_list COMMA IDENTIFIER array_specifier {
    $$ = $1;
    parseContext.declareVariable($3.loc, *$3.string, $1.type, $4.arraySizes);
}
| init_declarator_list COMMA IDENTIFIER array_specifier EQUAL initializer {
    $$type = $1.type;
    TIntermNode* initNode = parseContext.declareVariable($3.loc, *$3.string, $1.type, $4.arraySizes, $6);
    $$intermNode = parseContext.intermediate.growAggregate($1.intermNode, initNode, $5.loc);
}
| init_declarator_list COMMA IDENTIFIER EQUAL initializer {
    $$type = $1.type;
    TIntermNode* initNode = parseContext.declareVariable($3.loc, *$3.string, $1.type, 0, $5);
    $$intermNode = parseContext.intermediate.growAggregate($1.intermNode,
initNode, $4.loc);
}
;

single_declaration
: fully_specified_type {
    $$type = $1;
    $$intermNode = 0;
    parseContext.declareTypeDefaults($$.loc, $$type);
}
| fully_specified_type IDENTIFIER {

```

```

    $$type = $1;
    $$intermNode = 0;
    parseContext.declareVariable($2.loc, *$2.string, $1);
}
| fully_specified_type IDENTIFIER array_specifier {
    $$type = $1;
    $$intermNode = 0;
    parseContext.declareVariable($2.loc, *$2.string, $1, $3.arraySizes);
}
| fully_specified_type IDENTIFIER array_specifier EQUAL initializer {
    $$type = $1;
    TIntermNode* initNode = parseContext.declareVariable($2.loc, *$2.string, $1, $3.arraySizes, $5);
    $$intermNode = parseContext.intermediate.growAggregate(0, initNode, $4.loc);
}
| fully_specified_type IDENTIFIER EQUAL initializer {
    $$type = $1;
    TIntermNode* initNode = parseContext.declareVariable($2.loc,
*$2.string, $1, 0, $4);
    $$intermNode = parseContext.intermediate.growAggregate(0, initNode, $3.loc);
}

```

// Grammar Note: No 'enum', or 'typedef'.

fully_specified_type

: type_specifier {

\$\$ = \$1;

parseContext.globalQualifierTypeCheck(\$1.loc, \$1.qualifier, \$\$);

if (\$1.arraySizes) {

parseContext.profileRequires(\$1.loc, ENoProfile, 120, E_GL_3DL_array_objects, "arrayed type");

parseContext.profileRequires(\$1.loc, EEsProfile, 300, 0, "arrayed type");

}

parseContext.precisionQualifierCheck(\$\$.loc, \$\$basicType, \$\$qualifier);

}

| type_qualifier type_specifier {

parseContext.globalQualifierFixCheck(\$1.loc, \$1.qualifier);

parseContext.globalQualifierTypeCheck(\$1.loc, \$1.qualifier, \$2);

if (\$2.arraySizes) {

parseContext.profileRequires(\$2.loc, ENoProfile, 120, E_GL_3DL_array_objects, "arrayed type");

parseContext.profileRequires(\$2.loc,

EEsProfile, 300, 0, "arrayed type");

}

if (\$2.arraySizes && parseContext.arrayQualifierError(\$2.loc, \$1.qualifier))

\$2.arraySizes = 0;

```

parseContext.checkNoShaderLayouts($2.loc, $1.shaderQualifiers);
$2.shaderQualifiers.merge($1.shaderQualifiers);
parseContext.mergeQualifiers($2.loc, $2.qualifier, $1.qualifier, true);
parseContext.precisionQualifierCheck($2.loc, $2.basicType, $2.qualifier);

$$ = $2;

if (! $$ qualifier.isInterpolation() &&
    ((parseContext.language == EShLangVertex && $$ qualifier.storage == EvqVaryingOut) ||
    (parseContext.language == EShLangFragment && $$ qualifier.storage == EvqVaryingIn)))
    $$ qualifier.smooth = true;
}
;

invariant_qualifier
: INVARIANT {
    parseContext.globalCheck($1.loc, "invariant");
    parseContext.profileRequires($$.loc, ENoProfile, 120, 0, "invariant");
    $$ .init($1.loc);
    $$ .qualifier.invariant
= true;
}
;

interpolation_qualifier
: SMOOTH {
    parseContext.globalCheck($1.loc, "smooth");
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "smooth");
    parseContext.profileRequires($1.loc, EEsProfile, 300, 0, "smooth");
    $$ .init($1.loc);
    $$ .qualifier.smooth = true;
}
| FLAT {
    parseContext.globalCheck($1.loc, "flat");
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "flat");
    parseContext.profileRequires($1.loc, EEsProfile, 300, 0, "flat");
    $$ .init($1.loc);
    $$ .qualifier.flat = true;
}
| NOPERSPECTIVE {
    parseContext.globalCheck($1.loc, "noperspective");
    parseContext.requireProfile($1.loc, ~EEsProfile, "noperspective");
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "noperspective");
    $$ .init($1.loc);
    $$ .qualifier.nopersp = true;
}
| __EXPLICITINTERPAMD {
#ifdef AMD_EXTENSIONS

```



```

    parseContext.globalCheck($1.loc,
    "__explicitInterpAMD");
    parseContext.profileRequires($1.loc, ECoreProfile, 450, E_GL_AMD_shader_explicit_vertex_parameter,
    "explicit interpolation");
    parseContext.profileRequires($1.loc, ECompatibilityProfile, 450,
    E_GL_AMD_shader_explicit_vertex_parameter, "explicit interpolation");
    $$.$init($1.loc);
    $$.$qualifier.explicitInterp = true;
#endif
}
;

layout_qualifier
: LAYOUT LEFT_PAREN layout_qualifier_id_list RIGHT_PAREN {
    $$ = $3;
}
;

layout_qualifier_id_list
: layout_qualifier_id {
    $$ = $1;
}
| layout_qualifier_id_list COMMA layout_qualifier_id {
    $$ = $1;
    $$.$shaderQualifiers.merge($3.$shaderQualifiers);
    parseContext.mergeObjectLayoutQualifiers($$.qualifier, $3.qualifier, false);
}

layout_qualifier_id
: IDENTIFIER {
    $$.$init($1.loc);
    parseContext.setLayoutQualifier($1.loc, $$, *$1.string);
}
| IDENTIFIER EQUAL constant_expression
{
    $$.$init($1.loc);
    parseContext.setLayoutQualifier($1.loc, $$, *$1.string, $3);
}
| SHARED { // because "shared" is both an identifier and a keyword
    $$.$init($1.loc);
    TString strShared("shared");
    parseContext.setLayoutQualifier($1.loc, $$, strShared);
}
;

precise_qualifier
: PRECISE {
    parseContext.profileRequires($$.loc, ECoreProfile | ECompatibilityProfile, 400, E_GL_ARB_gpu_shader5,

```

```

"precise");
    parseContext.profileRequires($1.loc, EEsProfile, 320, Num_AEP_gpu_shader5, AEP_gpu_shader5, "precise");
    $$.$init($1.loc);
    $$.$qualifier.noContraction = true;
}
;

```

```

type_qualifier
: single_type_qualifier {
    $$ = $1;
}
| type_qualifier single_type_qualifier {
    $$ = $1;
    if ($$.basicType == EbtVoid)
        $$.$basicType = $2.$basicType;

    $$.$shaderQualifiers.merge($2.$shaderQualifiers);
    parseContext.mergeQualifiers($$.loc, $$.$qualifier, $2.$qualifier, false);
}
;

```

```

single_type_qualifier
: storage_qualifier {
    $$ = $1;
}
| layout_qualifier {
    $$ = $1;
}
| precision_qualifier {
    parseContext.checkPrecisionQualifier($1.loc, $1.$qualifier.precision);
    $$ = $1;
}
| interpolation_qualifier {
    // allow inheritance of storage qualifier from block declaration
    $$ = $1;
}
| invariant_qualifier {
    // allow inheritance of storage qualifier from block declaration
    $$ = $1;
}
| precise_qualifier {
    // allow inheritance of storage qualifier from block declaration
    $$ = $1;
}
;

```

```

storage_qualifier
: CONST {

```

```

    $$init($1.loc);
    $$qualifier.storage = EvqConst; // will later turn into EvqConstReadOnly, if the initializer is not constant
}
| ATTRIBUTE {
    parseContext.requireStage($1.loc, EShLangVertex, "attribute");
    parseContext.checkDeprecated($1.loc, ECoreProfile, 130, "attribute");

    parseContext.checkDeprecated($1.loc, ENoProfile, 130, "attribute");
    parseContext.requireNotRemoved($1.loc, ECoreProfile, 420, "attribute");
    parseContext.requireNotRemoved($1.loc, EEsProfile, 300, "attribute");

    parseContext.globalCheck($1.loc, "attribute");

    $$init($1.loc);
    $$qualifier.storage = EvqVaryingIn;
}
| VARYING {
    parseContext.checkDeprecated($1.loc, ENoProfile, 130, "varying");
    parseContext.checkDeprecated($1.loc, ECoreProfile, 130, "varying");
    parseContext.requireNotRemoved($1.loc, ECoreProfile, 420, "varying");
    parseContext.requireNotRemoved($1.loc, EEsProfile, 300, "varying");

    parseContext.globalCheck($1.loc, "varying");

    $$init($1.loc);
    if (parseContext.language == EShLangVertex)
        $$qualifier.storage = EvqVaryingOut;
    else
        $$qualifier.storage = EvqVaryingIn;
}
| INOUT {
    parseContext.globalCheck($1.loc, "inout");
    $$init($1.loc);
    $$qualifier.storage = EvqInOut;
}
| IN {
    parseContext.globalCheck($1.loc, "in");
    $$init($1.loc);
    // whether this is a parameter "in" or a pipeline "in" will get sorted out a bit later
    $$qualifier.storage = EvqIn;
}
| OUT {
    parseContext.globalCheck($1.loc, "out");
    $$init($1.loc);
    // whether this is a parameter "out" or a pipeline "out" will get sorted out a bit later
    $$qualifier.storage = EvqOut;
}
| CENTROID {

```

```

    parseContext.profileRequires($1.loc, ENoProfile, 120, 0, "centroid");
    parseContext.profileRequires($1.loc, EEsProfile, 300, 0, "centroid");
    parseContext.globalCheck($1.loc, "centroid");
    $$init($1.loc);
    $$qualifier.centroid = true;
}
| PATCH {
    parseContext.globalCheck($1.loc, "patch");
    parseContext.requireStage($1.loc, (EShLanguageMask)(EShLangTessControlMask |
EShLangTessEvaluationMask), "patch");
    $$init($1.loc);
    $$qualifier.patch = true;
}
| SAMPLE {
    parseContext.globalCheck($1.loc, "sample");
    $$init($1.loc);
    $$qualifier.sample = true;
}
| UNIFORM {
    parseContext.globalCheck($1.loc, "uniform");
    $$init($1.loc);
    $$qualifier.storage = EvqUniform;
}
| BUFFER {
    parseContext.globalCheck($1.loc, "buffer");
    $$init($1.loc);
    $$qualifier.storage = EvqBuffer;
}
| SHARED {
    parseContext.globalCheck($1.loc, "shared");
    parseContext.profileRequires($1.loc, ECoreProfile | ECompatibilityProfile, 430, E_GL_ARB_compute_shader,
"shared");
    parseContext.profileRequires($1.loc, EEsProfile, 310, 0, "shared");
    parseContext.requireStage($1.loc, EShLangCompute, "shared");
    $$init($1.loc);
    $$qualifier.storage = EvqShared;
}
| COHERENT {
    $$init($1.loc);
    $$qualifier.coherent = true;
}
| VOLATILE
{
    $$init($1.loc);
    $$qualifier.volatil = true;
}
| RESTRICT {
    $$init($1.loc);

```

```

    $$qualifier.restrict = true;
}
| READONLY {
    $$init($1.loc);
    $$qualifier.readonly = true;
}
| WRITEONLY {
    $$init($1.loc);
    $$qualifier.writeonly = true;
}
| SUBROUTINE {
    parseContext.spvRemoved($1.loc, "subroutine");
    parseContext.globalCheck($1.loc, "subroutine");
    parseContext.unimplemented($1.loc, "subroutine");
    $$init($1.loc);
}
| SUBROUTINE LEFT_PAREN type_name_list RIGHT_PAREN {
    parseContext.spvRemoved($1.loc, "subroutine");
    parseContext.globalCheck($1.loc, "subroutine");
    parseContext.unimplemented($1.loc, "subroutine");
    $$init($1.loc);
}
;

type_name_list
: IDENTIFIER {
    // TODO
}
| type_name_list COMMA IDENTIFIER {
    // TODO: 4.0 semantics: subroutines
    // 1) make sure each identifier is a type
declared earlier with SUBROUTINE
    // 2) save all of the identifiers for future comparison with the declared function
}
;

type_specifier
: type_specifier_nonarray {
    $$ = $1;
    $$qualifier.precision = parseContext.getDefaultPrecision($$);
}
| type_specifier_nonarray array_specifier {
    parseContext.arrayDimCheck($2.loc, $2.arraySizes, 0);
    $$ = $1;
    $$qualifier.precision = parseContext.getDefaultPrecision($$);
    $$arraySizes = $2.arraySizes;
}
;

```

```

array_specifier
: LEFT_BRACKET RIGHT_BRACKET {
    $$loc = $1.loc;
    $$arraySizes = new TArraySizes;
    $$arraySizes->addInnerSize();
}
| LEFT_BRACKET conditional_expression RIGHT_BRACKET {
    $$loc = $1.loc;
    $$arraySizes = new TArraySizes;

    TArraySize size;
    parseContext.arraySizeCheck($2->getLoc(), $2, size);
    $$arraySizes->addInnerSize(size);
}
| array_specifier LEFT_BRACKET RIGHT_BRACKET
{
    $$ = $1;
    $$arraySizes->addInnerSize();
}
| array_specifier LEFT_BRACKET conditional_expression RIGHT_BRACKET {
    $$ = $1;

    TArraySize size;
    parseContext.arraySizeCheck($3->getLoc(), $3, size);
    $$arraySizes->addInnerSize(size);
}
;

```

```

type_specifier_nonarray
: VOID {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtVoid;
}
| FLOAT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
}
| DOUBLE {
    parseContext.doubleCheck($1.loc, "double");
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtDouble;
}
| FLOAT16_T {
    parseContext.float16Check($1.loc, "float16_t", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat16;
}

```

```

| FLOAT32_T {
    parseContext.explicitFloat32Check($1.loc,
"float32_t", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
}
| FLOAT64_T {
    parseContext.explicitFloat64Check($1.loc, "float64_t", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
}
| INT {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt;
}
| UINT {
    parseContext.fullIntegerCheck($1.loc, "unsigned integer");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt;
}
| INT8_T {
    parseContext.explicitInt8Check($1.loc, "8-bit signed integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt8;
}
| UINT8_T {
    parseContext.explicitInt8Check($1.loc,
"8-bit unsigned integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt8;
}
| INT16_T {
    parseContext.explicitInt16Check($1.loc, "16-bit signed integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt16;
}
| UINT16_T {
    parseContext.explicitInt16Check($1.loc, "16-bit unsigned integer",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt16;
}
| INT32_T {
    parseContext.explicitInt32Check($1.loc, "32-bit signed integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt;
}
| UINT32_T {

```

```

    parseContext.explicitInt32Check($1.loc, "32-bit unsigned
integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt;
}
| INT64_T {
    parseContext.int64Check($1.loc, "64-bit integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt64;
}
| UINT64_T {
    parseContext.int64Check($1.loc, "64-bit unsigned integer", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt64;
}
| BOOL {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtBool;
}
| VEC2 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setVector(2);
}
| VEC3 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;

$$.$setVector(3);
}
| VEC4 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setVector(4);
}
| DVEC2 {
    parseContext.doubleCheck($1.loc, "double vector");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setVector(2);
}
| DVEC3 {
    parseContext.doubleCheck($1.loc, "double vector");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setVector(3);
}
| DVEC4 {

```



```

    parseContext.doubleCheck($1.loc, "double vector");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setVector(4);
}
| F16VEC2 {
    parseContext.float16Check($1.loc, "half float vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setVector(2);
}
| F16VEC3 {
    parseContext.float16Check($1.loc, "half float vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setVector(3);
}
| F16VEC4 {
    parseContext.float16Check($1.loc, "half float vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setVector(4);
}
| F32VEC2 {
    parseContext.explicitFloat32Check($1.loc, "float32_t vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setVector(2);
}
| F32VEC3 {
    parseContext.explicitFloat32Check($1.loc, "float32_t vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType
= EbtFloat;
    $$.$setVector(3);
}
| F32VEC4 {
    parseContext.explicitFloat32Check($1.loc, "float32_t vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setVector(4);
}
| F64VEC2 {
    parseContext.explicitFloat64Check($1.loc, "float64_t vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setVector(2);
}

```

```

| F64VEC3 {
  parseContext.explicitFloat64Check($1.loc, "float64_t vector", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setVector(3);
}
| F64VEC4 {
  parseContext.explicitFloat64Check($1.loc, "float64_t vector", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType
= EbtDouble;
  $$.$setVector(4);
}
| BVEC2 {
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtBool;
  $$.$setVector(2);
}
| BVEC3 {
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtBool;
  $$.$setVector(3);
}
| BVEC4 {
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtBool;
  $$.$setVector(4);
}
| IVEC2 {
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtInt;
  $$.$setVector(2);
}
| IVEC3 {
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtInt;
  $$.$setVector(3);
}
| IVEC4 {
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtInt;
  $$.$setVector(4);
}
| I8VEC2 {
  parseContext.explicitInt8Check($1.loc, "8-bit signed integer vector", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtInt8;
  $$.$setVector(2);
}

```

```

}
| I8VEC3 {
    parseContext.explicitInt8Check($1.loc, "8-bit signed integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt8;
    $$.$setVector(3);
}
| I8VEC4 {
    parseContext.explicitInt8Check($1.loc, "8-bit signed integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt8;
    $$.$setVector(4);
}
| I16VEC2 {
    parseContext.explicitInt16Check($1.loc, "16-bit signed integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt16;
    $$.$setVector(2);
}
| I16VEC3 {
    parseContext.explicitInt16Check($1.loc, "16-bit
signed integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt16;
    $$.$setVector(3);
}
| I16VEC4 {
    parseContext.explicitInt16Check($1.loc, "16-bit signed integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt16;
    $$.$setVector(4);
}
| I32VEC2 {
    parseContext.explicitInt32Check($1.loc, "32-bit signed integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt;
    $$.$setVector(2);
}
| I32VEC3 {
    parseContext.explicitInt32Check($1.loc, "32-bit signed integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt;
    $$.$setVector(3);
}
}

```

```

| I32VEC4
{
    parseContext.explicitInt32Check($1.loc, "32-bit signed integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt;
    $$.$setVector(4);
}
| I64VEC2 {
    parseContext.int64Check($1.loc, "64-bit integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt64;
    $$.$setVector(2);
}
| I64VEC3 {
    parseContext.int64Check($1.loc, "64-bit integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt64;
    $$.$setVector(3);
}
| I64VEC4 {
    parseContext.int64Check($1.loc, "64-bit integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt64;

    $$.$setVector(4);
}
| UVEC2 {
    parseContext.fullIntegerCheck($1.loc, "unsigned integer vector");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt;
    $$.$setVector(2);
}
| UVEC3 {
    parseContext.fullIntegerCheck($1.loc, "unsigned integer vector");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt;
    $$.$setVector(3);
}
| UVEC4 {
    parseContext.fullIntegerCheck($1.loc, "unsigned integer vector");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt;
    $$.$setVector(4);
}
| U8VEC2 {
    parseContext.explicitInt8Check($1.loc, "8-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());

```

```

    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt8;
    $$.$setVector(2);
}
| U8VEC3 {
    parseContext.explicitInt8Check($1.loc,
"8-bit unsigned integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtInt8;
    $$.$setVector(3);
}
| U8VEC4 {
    parseContext.explicitInt8Check($1.loc, "8-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt8;
    $$.$setVector(4);
}
| U16VEC2 {
    parseContext.explicitInt16Check($1.loc, "16-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt16;
    $$.$setVector(2);
}
| U16VEC3 {
    parseContext.explicitInt16Check($1.loc, "16-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt16;
    $$.$setVector(3);
}
| U16VEC4 {
    parseContext.explicitInt16Check($1.loc, "16-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt16;
    $$.$setVector(4);
}
| U32VEC2 {
    parseContext.explicitInt32Check($1.loc, "32-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUInt;
    $$.$setVector(2);
}
| U32VEC3 {
    parseContext.explicitInt32Check($1.loc, "32-bit unsigned integer vector",

```

```

parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUint;
    $$.$setVector(3);
}
| U32VEC4 {
    parseContext.explicitInt32Check($1.loc, "32-bit unsigned integer vector",
parseContext.symbolTable.atBuiltInLevel());

    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUint;
    $$.$setVector(4);
}
| U64VEC2 {
    parseContext.int64Check($1.loc, "64-bit unsigned integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUint64;
    $$.$setVector(2);
}
| U64VEC3 {
    parseContext.int64Check($1.loc, "64-bit unsigned integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUint64;
    $$.$setVector(3);
}
| U64VEC4 {
    parseContext.int64Check($1.loc, "64-bit unsigned integer vector", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtUint64;
    $$.$setVector(4);
}
| MAT2 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setMatrix(2, 2);
}
| MAT3 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setMatrix(3, 3);
}
| MAT4 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat;
    $$.$setMatrix(4, 4);
}
| MAT2X2 {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());

```

```

    $$basicType = EbtFloat;
    $$setMatrix(2, 2);
}
| MAT2X3 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(2, 3);
}
| MAT2X4 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(2, 4);
}
| MAT3X2 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(3, 2);
}
| MAT3X3 {
    $$init($1.loc,
parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(3, 3);
}
| MAT3X4 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(3, 4);
}
| MAT4X2 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(4, 2);
}
| MAT4X3 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(4, 3);
}
| MAT4X4 {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtFloat;
    $$setMatrix(4, 4);
}
| DMAT2 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtDouble;

```

```

    $$.setMatrix(2, 2);
}
| DMAT3 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.init($1.loc,
parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(3, 3);
}
| DMAT4 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(4, 4);
}
| DMAT2X2 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(2, 2);
}
| DMAT2X3 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(2, 3);
}
| DMAT2X4 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(2, 4);
}
| DMAT3X2 {
    parseContext.doubleCheck($1.loc,
"double matrix");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(3, 2);
}
| DMAT3X3 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtDouble;
    $$.setMatrix(3, 3);
}
| DMAT3X4 {
    parseContext.doubleCheck($1.loc, "double matrix");

```



```

    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setMatrix(3, 4);
}
| DMAT4X2 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setMatrix(4, 2);
}
| DMAT4X3 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setMatrix(4,
3);
}
| DMAT4X4 {
    parseContext.doubleCheck($1.loc, "double matrix");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtDouble;
    $$.$setMatrix(4, 4);
}
| F16MAT2 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(2, 2);
}
| F16MAT3 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(3, 3);
}
| F16MAT4 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(4, 4);
}

| F16MAT2X2 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(2, 2);
}

```

```

| F16MAT2X3 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(2, 3);
}
| F16MAT2X4 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(2, 4);
}
| F16MAT3X2 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(3, 2);
}
| F16MAT3X3 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(3, 3);
}
| F16MAT3X4 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(3, 4);
}
| F16MAT4X2 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(4, 2);
}
| F16MAT4X3 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(4, 3);
}
| F16MAT4X4 {
    parseContext.float16Check($1.loc, "half float matrix", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtFloat16;
    $$.$setMatrix(4, 4);
}

```

```

| F32MAT2 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(2, 2);
}
| F32MAT3 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(3, 3);
}
| F32MAT4 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(4, 4);
}
| F32MAT2X2 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(2, 2);
}
| F32MAT2X3 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(2, 3);
}
| F32MAT2X4 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(2, 4);
}
| F32MAT3X2 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc,
parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(3, 2);
}
| F32MAT3X3 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(3, 3);
}

```

```

}
| F32MAT3X4 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(3, 4);
}
| F32MAT4X2 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(4, 2);
}
| F32MAT4X3 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(4, 3);
}
| F32MAT4X4 {
  parseContext.explicitFloat32Check($1.loc, "float32_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtFloat;
  $$.$setMatrix(4, 4);
}
| F64MAT2 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(2, 2);
}
| F64MAT3 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(3, 3);
}
| F64MAT4 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(4, 4);
}
| F64MAT2X2 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(2, 2);
}

```

```

}
| F64MAT2X3 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(2, 3);
}
| F64MAT2X4 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(2, 4);
}
| F64MAT3X2 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(3, 2);
}
| F64MAT3X3 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(3, 3);
}
| F64MAT3X4 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(3, 4);
}
| F64MAT4X2 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(4, 2);
}
| F64MAT4X3 {
  parseContext.explicitFloat64Check($1.loc, "float64_t
matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;
  $$.$setMatrix(4, 3);
}
| F64MAT4X4 {
  parseContext.explicitFloat64Check($1.loc, "float64_t matrix", parseContext.symbolTable.atBuiltInLevel());
  $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
  $$.$basicType = EbtDouble;

```

```

    $$.setMatrix(4, 4);
}
| ATOMIC_UINT {
    parseContext.vulkanRemoved($1.loc, "atomic counter types");
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtAtomicUint;
}
| SAMPLER1D {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, Esd1D);
}
| SAMPLER2D {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, Esd2D);
}
| SAMPLER3D {

    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, Esd3D);
}
| SAMPLERCUBE {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, EsdCube);
}
| SAMPLER1DSHADOW {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, Esd1D, false, true);
}
| SAMPLER2DSHADOW {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, Esd2D, false, true);
}
| SAMPLERCUBESHADOW {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, EsdCube, false, true);
}
| SAMPLER1DARRAY {
    $$.init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.basicType = EbtSampler;
    $$.sampler.set(EbtFloat, Esd1D, true);
}
}

```

```

| SAMPLER2DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat, Esd2D, true);
}
| SAMPLER1DARRAYSHADOW {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat, Esd1D, true, true);
}
| SAMPLER2DARRAYSHADOW {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat, Esd2D, true, true);
}
| SAMPLERCUBEARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat, EsdCube, true);
}
| SAMPLERCUBEARRAYSHADOW {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat, EsdCube, true, true);
}
| F16SAMPLER1D
{
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd1D);
#endif
}
| F16SAMPLER2D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd2D);
#endif
}
| F16SAMPLER3D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd3D);
#endif
}

```

```

#endif
}
| F16SAMPLERCUBE {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc,
    "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, EsdCube);
#endif
}
| F16SAMPLER1DSHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd1D, false, true);
#endif
}
| F16SAMPLER2DSHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd2D, false, true);
#endif
}
| F16SAMPLERCUBESHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc,
    "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, EsdCube, false, true);
#endif
}
| F16SAMPLER1DARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd1D, true);
#endif
}
| F16SAMPLER2DARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());

```



```

    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, Esd2D, true);
#endif
}
| F16SAMPLER1DARRAYSHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc,
    "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, Esd1D, true, true);
#endif
}
| F16SAMPLER2DARRAYSHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, Esd2D, true, true);
#endif
}
| F16SAMPLERCUBEARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, EsdCube, true);
#endif
}
| F16SAMPLERCUBEARRAYSHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc,
    "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, EsdCube, true, true);
#endif
}
| ISAMPLER1D {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, Esd1D);
}
| ISAMPLER2D {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, Esd2D);
}

```

```

| ISAMPLER3D {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, Esd3D);
}
| ISAMPLERCUBE {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, EsdCube);
}
| ISAMPLER1DARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, Esd1D, true);
}
| ISAMPLER2DARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, Esd2D, true);
}
| ISAMPLERCUBEARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, EsdCube, true);
}
| USAMPLER1D {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, Esd1D);
}
| USAMPLER2D {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, Esd2D);
}
| USAMPLER3D {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, Esd3D);
}
| USAMPLERCUBE {
    $$init($1.loc,
parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, EsdCube);
}
| USAMPLER1DARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());

```

```

    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, Esd1D, true);
}
| USAMPLER2DARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, Esd2D, true);
}
| USAMPLERCUBEARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, EsdCube, true);
}
| SAMPLER2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat, EsdRect);
}
| SAMPLER2DRECTSHADOW {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat,
EsdRect, false, true);
}
| F16SAMPLER2DRECT {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, EsdRect);
#endif
}
| F16SAMPLER2DRECTSHADOW {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, EsdRect, false, true);
#endif
}
| ISAMPLER2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, EsdRect);
}
| USAMPLER2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;

```

```

    $$sampler.set(EbtUint, EsdRect);
}
| SAMPLERBUFFER {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat, EsdBuffer);
}
| F16SAMPLERBUFFER {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, EsdBuffer);
#endif
}
| ISAMPLERBUFFER {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, EsdBuffer);
}
| USAMPLERBUFFER {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, EsdBuffer);
}
| SAMPLER2DMS {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat, Esd2D, false, false, true);
}
| F16SAMPLER2DMS {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat16, Esd2D, false, false, true);
#endif
}
| ISAMPLER2DMS {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtInt, Esd2D, false, false, true);
}
| USAMPLER2DMS {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtUint, Esd2D, false, false, true);
}

```

```

}
| SAMPLER2DMSARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat, Esd2D, true, false, true);
}
| F16SAMPLER2DMSARRAY
{
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float sampler", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtFloat16, Esd2D, true, false, true);
#endif
}
| ISAMPLER2DMSARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtInt, Esd2D, true, false, true);
}
| USAMPLER2DMSARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.set(EbtUint, Esd2D, true, false, true);
}
| SAMPLER {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setPureSampler(false);
}
| SAMPLERSHADOW {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setPureSampler(true);
}
| TEXTURE1D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, Esd1D);
}
| F16TEXTURE1D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, Esd1D);
#endif
}
}

```

```

| TEXTURE2D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, Esd2D);
}
| F16TEXTURE2D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16,
Esd2D);
#endif
}
| TEXTURE3D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, Esd3D);
}
| F16TEXTURE3D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, Esd3D);
#endif
}
| TEXTURECUBE {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, EsdCube);
}
| F16TEXTURECUBE {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16,
EsdCube);
#endif
}
| TEXTURE1DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, Esd1D, true);
}
| F16TEXTURE1DARRAY {
#ifdef AMD_EXTENSIONS

```

```

    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, Esd1D, true);
#endif
}
| TEXTURE2DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, Esd2D, true);
}
| F16TEXTURE2DARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, Esd2D, true);
#endif
}
| TEXTURECUBEARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, EsdCube, true);
}
| F16TEXTURECUBEARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, EsdCube, true);
#endif
}
| ITEXTURE1D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd1D);
}
| ITEXTURE2D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd2D);
}
| ITEXTURE3D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd3D);
}
| ITEXTURECUBE {

```

```

    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, EsdCube);
}
| ITEXTURE1DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd1D, true);
}
| ITEXTURE2DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd2D, true);
}
| ITEXTURECUBEARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, EsdCube, true);
}
| UTEXTURE1D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUInt,
Esd1D);
}
| UTEXTURE2D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUInt, Esd2D);
}
| UTEXTURE3D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUInt, Esd3D);
}
| UTEXTURECUBE {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUInt, EsdCube);
}
| UTEXTURE1DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUInt, Esd1D, true);
}
| UTEXTURE2DARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;

```



```

    $$sampler.setTexture(EbtUint, Esd2D, true);
}
| UTEXTURECUBEARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtUint, EsdCube, true);
}
| TEXTURE2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtFloat, EsdRect);
}
| F16TEXTURE2DRECT {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtFloat16, EsdRect);
#endif
}
| ITEXTURE2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtInt, EsdRect);
}
| UTEXTURE2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtUint, EsdRect);
}
| TEXTUREBUFFER
{
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtFloat, EsdBuffer);
}
| F16TEXTUREBUFFER {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtFloat16, EsdBuffer);
#endif
}
| ITEXTUREBUFFER {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setTexture(EbtInt, EsdBuffer);
}

```

```

}
| UTEXTUREBUFFER {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUint, EsdBuffer);
}
| TEXTURE2DMS {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat,
Esd2D, false, false, true);
}
| F16TEXTURE2DMS {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, Esd2D, false, false, true);
#endif
}
| ITEXTURE2DMS {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd2D, false, false, true);
}
| UTEXTURE2DMS {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUint, Esd2D, false, false, true);
}
| TEXTURE2DMSARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat, Esd2D, true, false, true);
}
| F16TEXTURE2DMSARRAY
{
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float texture", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtFloat16, Esd2D, true, false, true);
#endif
}
| ITEXTURE2DMSARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtInt, Esd2D, true, false, true);
}

```

```

}
| UTEXTURE2DMSARRAY {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setTexture(EbtUint, Esd2D, true, false, true);
}
| IMAGE1D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat, Esd1D);
}
| F16IMAGE1D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float
image", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat16, Esd1D);
#endif
}
| IIMAGE1D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtInt, Esd1D);
}
| UIMAGE1D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtUint, Esd1D);
}
| IMAGE2D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat, Esd2D);
}
| F16IMAGE2D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat16,
Esd2D);
#endif
}
| IIMAGE2D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtInt, Esd2D);
}

```

```

}
| UIMAGE2D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtUint, Esd2D);
}
| IMAGE3D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat, Esd3D);
}
| F16IMAGE3D {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat16, Esd3D);
#endif
}
| IIMAGE3D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtInt,
Esd3D);
}
| UIMAGE3D {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtUint, Esd3D);
}
| IMAGE2DRECT {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat, EsdRect);
}
| F16IMAGE2DRECT {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtFloat16, EsdRect);
#endif
}
| IIMAGE2DRECT {
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setImage(EbtInt, EsdRect);
}
}

```

```

| UIMAGE2DRECT {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtUint, EsdRect);
}
| IMAGECUBE {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat, EsdCube);
}
| F16IMAGECUBE {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat16, EsdCube);
#endif
}
| IIMAGECUBE {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtInt, EsdCube);
}
| UIMAGECUBE {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtUint, EsdCube);
}
| IMAGEBUFFER {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType
= EbtSampler;
    $$sampler.setImage(EbtFloat, EsdBuffer);
}
| F16IMAGEBUFFER {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat16, EsdBuffer);
#endif
}
| IIMAGEBUFFER {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtInt, EsdBuffer);
}
| UIMAGEBUFFER {

```

```

    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtUint, EsdBuffer);
}
| IMAGE1DARRAY {
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtFloat, Esd1D, true);
}
| F16IMAGE1DARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc,
"half float image", parseContext.symbolTable.atBuiltInLevel());
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtFloat16, Esd1D, true);
#endif
}
| IIMAGE1DARRAY {
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtInt, Esd1D, true);
}
| UIMAGE1DARRAY {
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtUint, Esd1D, true);
}
| IMAGE2DARRAY {
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtFloat, Esd2D, true);
}
| F16IMAGE2DARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtFloat16, Esd2D, true);
#endif
}
| IIMAGE2DARRAY {
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$ .basicType = EbtSampler;
    $$ .sampler.setImage(EbtInt, Esd2D, true);
}
| UIMAGE2DARRAY {
    $$ .init($1.loc, parseContext.symbolTable.atGlobalLevel());

```

```

    $$basicType = EbtSampler;
    $$sampler.setImage(EbtUint, Esd2D, true);
}
| IMAGECUBEARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat, EsdCube, true);
}
| F16IMAGECUBEARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat16, EsdCube, true);
#endif
}
| IIMAGECUBEARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtInt, EsdCube, true);
}
| UIMAGECUBEARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtUint, EsdCube, true);
}
| IMAGE2DMS {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat, Esd2D, false, false, true);
}
| F16IMAGE2DMS {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat16, Esd2D, false, false, true);
#endif
}
| IIMAGE2DMS {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());

    $$basicType = EbtSampler;
    $$sampler.setImage(EbtInt, Esd2D, false, false, true);
}
| UIMAGE2DMS {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;

```

```

    $$sampler.setImage(EbtUint, Esd2D, false, false, true);
}
| IMAGE2DMSARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat, Esd2D, true, false, true);
}
| F16IMAGE2DMSARRAY {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float image", parseContext.symbolTable.atBuiltInLevel());
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtFloat16, Esd2D, true, false, true);
#endif
}
| IIMAGE2DMSARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtInt, Esd2D, true,
false, true);
}
| UIMAGE2DMSARRAY {
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setImage(EbtUint, Esd2D, true, false, true);
}
| SAMPLEREXTERNALOES { // GL_OES_EGL_image_external
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.set(EbtFloat, Esd2D);
    $$sampler.external = true;
}
| SUBPASSINPUT {
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setSubpass(EbtFloat);
}
| SUBPASSINPUTMS {
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$basicType = EbtSampler;
    $$sampler.setSubpass(EbtFloat, true);
}
| F16SUBPASSINPUT {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float subpass input",
parseContext.symbolTable.atBuiltInLevel());

```



```

    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setSubpass(EbtFloat16);
#endif
}
| F16SUBPASSINPUTMS {
#ifdef AMD_EXTENSIONS
    parseContext.float16OpaqueCheck($1.loc, "half float subpass input",
    parseContext.symbolTable.atBuiltInLevel());
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setSubpass(EbtFloat16, true);
#endif
}
| ISUBPASSINPUT {
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setSubpass(EbtInt);
}
| ISUBPASSINPUTMS {
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setSubpass(EbtInt, true);
}
| USUBPASSINPUT {
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setSubpass(EbtUInt);
}
| USUBPASSINPUTMS {
    parseContext.requireStage($1.loc, EShLangFragment, "subpass input");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtSampler;
    $$.$sampler.setSubpass(EbtUInt, true);
}
| struct_specifier {
    $$ = $1;
    $$.$qualifier.storage = parseContext.symbolTable.atGlobalLevel() ? EvqGlobal : EvqTemporary;
    parseContext.structTypeCheck($$.loc, $$);
}
| TYPE_NAME {

```

```

//
// This is for user defined type names. The lexical phase looked up the
// type.
//
if (const TVariable* variable = ($1.symbol)->getAsVariable()) {
    const TType& structure = variable->getType();
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    $$.$basicType = EbtStruct;
    $$.$userDef = &structure;
} else
    parseContext.error($1.loc, "expected type name", $1.string->c_str(), "");
}
;

precision_qualifier
: HIGH_PRECISION {
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "highp precision qualifier");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    parseContext.handlePrecisionQualifier($1.loc, $$.$qualifier, EpqHigh);
}
| MEDIUM_PRECISION {
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "mediump precision qualifier");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    parseContext.handlePrecisionQualifier($1.loc,
$$.$qualifier, EpqMedium);
}
| LOW_PRECISION {
    parseContext.profileRequires($1.loc, ENoProfile, 130, 0, "lowp precision qualifier");
    $$.$init($1.loc, parseContext.symbolTable.atGlobalLevel());
    parseContext.handlePrecisionQualifier($1.loc, $$.$qualifier, EpqLow);
}
;

struct_specifier
: STRUCT IDENTIFIER LEFT_BRACE { parseContext.nestedStructCheck($1.loc); } struct_declaration_list
RIGHT_BRACE {
    TType* structure = new TType($5, *$2.string);
    parseContext.structArrayCheck($2.loc, *structure);
    TVariable* userTypeDef = new TVariable($2.string, *structure, true);
    if (! parseContext.symbolTable.insert(*userTypeDef))
        parseContext.error($2.loc, "redefinition", $2.string->c_str(), "struct");
    $$.$init($1.loc);
    $$.$basicType = EbtStruct;
    $$.$userDef = structure;
    --parseContext.structNestingLevel;
}
| STRUCT LEFT_BRACE { parseContext.nestedStructCheck($1.loc);

```

```

} struct_declaration_list RIGHT_BRACE {
    TType* structure = new TType($4, TString(""));
    $$ .init($1.loc);
    $$ .basicType = EbtStruct;
    $$ .userDef = structure;
    --parseContext.structNestingLevel;
}
;

struct_declaration_list
: struct_declaration {
    $$ = $1;
}
| struct_declaration_list struct_declaration {
    $$ = $1;
    for (unsigned int i = 0; i < $2->size(); ++i) {
        for (unsigned int j = 0; j < $$->size(); ++j) {
            if ((*$$)[j].type->getFieldName() == (*$2)[i].type->getFieldName())
                parseContext.error((*$2)[i].loc, "duplicate member name:", "", (*$2)[i].type->getFieldName().c_str());
        }
        $$->push_back((*$2)[i]);
    }
}
;

struct_declaration
: type_specifier struct_declarator_list SEMICOLON {
    if ($1.arraySizes) {
        parseContext.profileRequires($1.loc, ENoProfile, 120, E_GL_3DL_array_objects, "arrayed
type");
        parseContext.profileRequires($1.loc, EEsProfile, 300, 0, "arrayed type");
        if (parseContext.profile == EEsProfile)
            parseContext.arraySizeRequiredCheck($1.loc, *$1.arraySizes);
    }

    $$ = $2;

    parseContext.voidErrorCheck($1.loc, (*$2)[0].type->getFieldName(), $1.basicType);
    parseContext.precisionQualifierCheck($1.loc, $1.basicType, $1.qualifier);

    for (unsigned int i = 0; i < $$->size(); ++i) {
        parseContext.arrayDimCheck($1.loc, (*$$)[i].type, $1.arraySizes);
        (*$$)[i].type->mergeType($1);
    }
}
| type_qualifier type_specifier struct_declarator_list SEMICOLON {
    parseContext.globalQualifierFixCheck($1.loc, $1.qualifier);
    if ($2.arraySizes) {

```

```

    parseContext.profileRequires($2.loc, ENoProfile, 120, E_GL_3DL_array_objects, "arrayed type");
    parseContext.profileRequires($2.loc, EEsProfile, 300, 0, "arrayed type");
    if (parseContext.profile
== EEsProfile)
        parseContext.arraySizeRequiredCheck($2.loc, *$2.arraySizes);
    }

    $$ = $3;

    parseContext.checkNoShaderLayouts($1.loc, $1.shaderQualifiers);
    parseContext.voidErrorCheck($2.loc, (*$3)[0].type->getFieldName(), $2.basicType);
    parseContext.mergeQualifiers($2.loc, $2.qualifier, $1.qualifier, true);
    parseContext.precisionQualifierCheck($2.loc, $2.basicType, $2.qualifier);

    for (unsigned int i = 0; i < $$->size(); ++i) {
        parseContext.arrayDimCheck($1.loc, (*$$)[i].type, $2.arraySizes);
        (*$$)[i].type->mergeType($2);
    }
}
;

struct_declarator_list
: struct_declarator {
    $$ = new TTypeList;
    $$->push_back($1);
}
| struct_declarator_list COMMA struct_declarator {
    $$->push_back($3);
}
;

struct_declarator
: IDENTIFIER {
    $$ .type = new TType(EbtVoid);
    $$ .loc = $1.loc;
    $$ .type->setFieldName(*$1.string);
}
| IDENTIFIER array_specifier {
    parseContext.arrayDimCheck($1.loc, $2.arraySizes, 0);

    $$ .type = new TType(EbtVoid);
    $$ .loc = $1.loc;
    $$ .type->setFieldName(*$1.string);
    $$ .type->newArraySizes(*$2.arraySizes);
}
;

initializer

```

```

: assignment_expression {
    $$ = $1;
}
| LEFT_BRACE initializer_list RIGHT_BRACE {
    const char* initFeature = "{ } style initializers";
    parseContext.requireProfile($1.loc, ~EEsProfile, initFeature);
    parseContext.profileRequires($1.loc, ~EEsProfile, 420, E_GL_ARB_shading_language_420pack, initFeature);
    $$ = $2;
}
| LEFT_BRACE initializer_list COMMA RIGHT_BRACE {
    const char* initFeature = "{ } style initializers";
    parseContext.requireProfile($1.loc, ~EEsProfile, initFeature);
    parseContext.profileRequires($1.loc, ~EEsProfile, 420, E_GL_ARB_shading_language_420pack, initFeature);
    $$ = $2;
}
;

```

initializer_list

```

: initializer {
    $$ = parseContext.intermediate.growAggregate(0, $1, $1->getLoc());
}
| initializer_list COMMA initializer {
    $$ = parseContext.intermediate.growAggregate($1, $3);
}
;

```

declaration_statement

```

: declaration { $$ = $1; }
;

```

statement

```

: compound_statement { $$ = $1; }
| simple_statement { $$ = $1; }
;

```

// Grammar Note: labeled statements for switch statements only; 'goto' is not supported.

simple_statement

```

: declaration_statement { $$ = $1; }
| expression_statement { $$ = $1; }
| selection_statement { $$ = $1; }
| switch_statement { $$ = $1; }
| case_label { $$ = $1; }
| iteration_statement { $$ = $1; }
| jump_statement { $$ = $1; }
;

```

compound_statement

```

: LEFT_BRACE RIGHT_BRACE { $$ = 0; }
| LEFT_BRACE {
    parseContext.symbolTable.push();
    ++parseContext.statementNestingLevel;
}
statement_list {
    parseContext.symbolTable.pop(&parseContext.defaultPrecision[0]);
    --parseContext.statementNestingLevel;
}
RIGHT_BRACE {
    if ($3 && $3->getAsAggregate())
        $3->getAsAggregate()->setOperator(EOpSequence);
    $$ = $3;
}
;

```

statement_no_new_scope

```

: compound_statement_no_new_scope { $$ = $1; }
| simple_statement      { $$ = $1; }
;

```

statement_scoped

```

: {
    ++parseContext.controlFlowNestingLevel;
}
compound_statement {
    --parseContext.controlFlowNestingLevel;
    $$ = $2;
}
| {
    parseContext.symbolTable.push();
    ++parseContext.statementNestingLevel;
    ++parseContext.controlFlowNestingLevel;
}
simple_statement {
    parseContext.symbolTable.pop(&parseContext.defaultPrecision[0]);
    --parseContext.statementNestingLevel;
    --parseContext.controlFlowNestingLevel;
    $$ = $2;
}

```

compound_statement_no_new_scope

```

// Statement that doesn't create a new scope,
for selection_statement, iteration_statement
: LEFT_BRACE RIGHT_BRACE {
    $$ = 0;
}
| LEFT_BRACE statement_list RIGHT_BRACE {

```

```

    if ($2 && $2->getAsAggregate())
        $2->getAsAggregate()->setOperator(EOpSequence);
    $$ = $2;
}
;

statement_list
: statement {
    $$ = parseContext.intermediate.makeAggregate($1);
    if ($1 && $1->getAsBranchNode() && ($1->getAsBranchNode()->getFlowOp() == EOpCase ||
        $1->getAsBranchNode()->getFlowOp() == EOpDefault)) {
        parseContext.wrapupSwitchSubsequence(0, $1);
        $$ = 0; // start a fresh subsequence for what's after this case
    }
}
| statement_list statement {
    if ($2 && $2->getAsBranchNode() && ($2->getAsBranchNode()->getFlowOp() == EOpCase ||
        $2->getAsBranchNode()->getFlowOp() == EOpDefault)) {
        parseContext.wrapupSwitchSubsequence($1 ? $1->getAsAggregate()
: 0, $2);
        $$ = 0; // start a fresh subsequence for what's after this case
    } else
        $$ = parseContext.intermediate.growAggregate($1, $2);
}
;

expression_statement
: SEMICOLON { $$ = 0; }
| expression SEMICOLON { $$ = static_cast<TIntermNode*>($1); }
;

selection_statement
: selection_statement_nonattributed {
    $$ = $1;
}
| attribute selection_statement_nonattributed {
    parseContext.handleSelectionAttributes(*$1, $2);
    $$ = $2;
}

selection_statement_nonattributed
: IF LEFT_PAREN expression RIGHT_PAREN selection_rest_statement {
    parseContext.boolCheck($1.loc, $3);
    $$ = parseContext.intermediate.addSelection($3, $5, $1.loc);
}
;

selection_rest_statement

```

```

: statement_scoped ELSE statement_scoped {
    $$node1 = $1;
    $$node2 = $3;
}
| statement_scoped {
    $$node1 = $1;
    $$node2 = 0;
}
;

```

condition

// In 1996 c++ draft,

conditions can include single declarations

```

: expression {
    $$ = $1;
    parseContext.boolCheck($1->getLoc(), $1);
}
| fully_specified_type IDENTIFIER EQUAL initializer {
    parseContext.boolCheck($2.loc, $1);

    TType type($1);
    TIntermNode* initNode = parseContext.declareVariable($2.loc, *$2.string, $1, 0, $4);
    if (initNode)
        $$ = initNode->getAsTyped();
    else
        $$ = 0;
}
;

```

switch_statement

```

: switch_statement_nonattributed {
    $$ = $1;
}
| attribute switch_statement_nonattributed {
    parseContext.handleSwitchAttributes(*$1, $2);
    $$ = $2;
}

```

switch_statement_nonattributed

```

: SWITCH LEFT_PAREN expression RIGHT_PAREN {
    // start new switch sequence on the switch stack
    ++parseContext.controlFlowNestingLevel;
    ++parseContext.statementNestingLevel;
    parseContext.switchSequenceStack.push_back(new TIntermSequence);
    parseContext.switchLevel.push_back(parseContext.statementNestingLevel);
    parseContext.symbolTable.push();
}
LEFT_BRACE switch_statement_list RIGHT_BRACE {

```



```

    $$ = parseContext.addSwitch($1.loc, $3, $7 ? $7->getAsAggregate() : 0);
    delete parseContext.switchSequenceStack.back();
    parseContext.switchSequenceStack.pop_back();
    parseContext.switchLevel.pop_back();
    parseContext.symbolTable.pop(&parseContext.defaultPrecision[0]);
    --parseContext.statementNestingLevel;
    --parseContext.controlFlowNestingLevel;
}
;

switch_statement_list
: /* nothing */ {
    $$ = 0;
}
| statement_list {
    $$ = $1;
}
;

case_label
: CASE expression COLON {
    $$ = 0;
    if (parseContext.switchLevel.size() == 0)
        parseContext.error($1.loc, "cannot appear outside switch statement", "case", "");
    else if (parseContext.switchLevel.back() != parseContext.statementNestingLevel)
        parseContext.error($1.loc,
"cannot be nested inside control flow", "case", "");
    else {
        parseContext.constantValueCheck($2, "case");
        parseContext.integerCheck($2, "case");
        $$ = parseContext.intermediate.addBranch(EOpCase, $2, $1.loc);
    }
}
| DEFAULT COLON {
    $$ = 0;
    if (parseContext.switchLevel.size() == 0)
        parseContext.error($1.loc, "cannot appear outside switch statement", "default", "");
    else if (parseContext.switchLevel.back() != parseContext.statementNestingLevel)
        parseContext.error($1.loc, "cannot be nested inside control flow", "default", "");
    else
        $$ = parseContext.intermediate.addBranch(EOpDefault, $1.loc);
}
;

iteration_statement
: iteration_statement_nonattributed {
    $$ = $1;
}

```

```

| attribute iteration_statement_nonattributed {
    parseContext.handleLoopAttributes(*$1, $2);
    $$ = $2;
}

iteration_statement_nonattributed
: WHILE LEFT_PAREN {
    if (! parseContext.limits.whileLoops)
        parseContext.error($1.loc, "while loops not available", "limitation", "");
    parseContext.symbolTable.push();
    ++parseContext.loopNestingLevel;
    ++parseContext.statementNestingLevel;
    ++parseContext.controlFlowNestingLevel;
}
condition RIGHT_PAREN statement_no_new_scope {
    parseContext.symbolTable.pop(&parseContext.defaultPrecision[0]);
    $$ = parseContext.intermediate.addLoop($6, $4, 0, true, $1.loc);
    --parseContext.loopNestingLevel;
    --parseContext.statementNestingLevel;
    --parseContext.controlFlowNestingLevel;
}
| DO {
    ++parseContext.loopNestingLevel;
    ++parseContext.statementNestingLevel;
    ++parseContext.controlFlowNestingLevel;
}
statement WHILE LEFT_PAREN expression RIGHT_PAREN SEMICOLON {
    if (! parseContext.limits.whileLoops)
        parseContext.error($1.loc, "do-while loops
not available", "limitation", "");

    parseContext.boolCheck($8.loc, $6);

    $$ = parseContext.intermediate.addLoop($3, $6, 0, false, $4.loc);
    --parseContext.loopNestingLevel;
    --parseContext.statementNestingLevel;
    --parseContext.controlFlowNestingLevel;
}
| FOR LEFT_PAREN {
    parseContext.symbolTable.push();
    ++parseContext.loopNestingLevel;
    ++parseContext.statementNestingLevel;
    ++parseContext.controlFlowNestingLevel;
}
for_init_statement for_rest_statement RIGHT_PAREN statement_no_new_scope {
    parseContext.symbolTable.pop(&parseContext.defaultPrecision[0]);
    $$ = parseContext.intermediate.makeAggregate($4, $2.loc);
    TIntermLoop* forLoop = parseContext.intermediate.addLoop($7, reinterpret_cast<TIntermTyped*>($5.node1),

```

```

reinterpret_cast<TIntermTyped*>($5.node2), true, $1.loc);
    if (! parseContext.limits.nonInductiveForLoops)
        parseContext.inductiveLoopCheck($1.loc,
$4, forLoop);
    $$ = parseContext.intermediate.growAggregate($$, forLoop, $1.loc);
    $$->getAsAggregate()->setOperator(EOpSequence);
    --parseContext.loopNestingLevel;
    --parseContext.statementNestingLevel;
    --parseContext.controlFlowNestingLevel;
}
;

for_init_statement
: expression_statement {
    $$ = $1;
}
| declaration_statement {
    $$ = $1;
}
;

conditionopt
: condition {
    $$ = $1;
}
| /* May be null */ {
    $$ = 0;
}
;

for_rest_statement
: conditionopt SEMICOLON {
    $$ .node1 = $1;
    $$ .node2 = 0;
}
| conditionopt SEMICOLON expression {
    $$ .node1 = $1;
    $$ .node2 = $3;
}
;

jump_statement
: CONTINUE SEMICOLON {
    if (parseContext.loopNestingLevel <= 0)
        parseContext.error($1.loc, "continue statement only allowed in loops", "", "");
    $$ = parseContext.intermediate.addBranch(EOpContinue, $1.loc);
}
|

```

```

BREAK SEMICOLON {
    if (parseContext.loopNestingLevel + parseContext.switchSequenceStack.size() <= 0)
        parseContext.error($1.loc, "break statement only allowed in switch and loops", "", "");
    $$ = parseContext.intermediate.addBranch(EOpBreak, $1.loc);
}
| RETURN SEMICOLON {
    $$ = parseContext.intermediate.addBranch(EOpReturn, $1.loc);
    if (parseContext.currentFunctionType->getBasicType() != EbtVoid)
        parseContext.error($1.loc, "non-void function must return a value", "return", "");
    if (parseContext.inMain)
        parseContext.postEntryPointReturn = true;
}
| RETURN expression SEMICOLON {
    $$ = parseContext.handleReturnValue($1.loc, $2);
}
| DISCARD SEMICOLON {
    parseContext.requireStage($1.loc, EShLangFragment, "discard");
    $$ = parseContext.intermediate.addBranch(EOpKill, $1.loc);
}
;

```

// Grammar Note: No 'goto'. Gotos are not supported.

```

translation_unit
: external_declaration
{
    $$ = $1;
    parseContext.intermediate.setTreeRoot($$);
}
| translation_unit external_declaration {
    if ($2 != nullptr) {
        $$ = parseContext.intermediate.growAggregate($1, $2);
        parseContext.intermediate.setTreeRoot($$);
    }
}
;

```

```

external_declaration
: function_definition {
    $$ = $1;
}
| declaration {
    $$ = $1;
}
| SEMICOLON {
    parseContext.requireProfile($1.loc, ~EEsProfile, "extraneous semicolon");
    parseContext.profileRequires($1.loc, ~EEsProfile, 460, nullptr, "extraneous semicolon");
    $$ = nullptr;
}

```

```

}
;

function_definition
: function_prototype {
    $1.function = parseContext.handleFunctionDeclarator($1.loc, *$1.function, false /* not prototype */);
    $1.intermNode = parseContext.handleFunctionDefinition($1.loc, *$1.function);
}
compound_statement_no_new_scope {
    // May be best done as post process phase on intermediate
code
    if (parseContext.currentFunctionType->getBasicType() != EbtVoid && ! parseContext.functionReturnsValue)
        parseContext.error($1.loc, "function does not return a value:", "", $1.function->getName().c_str());
    parseContext.symbolTable.pop(&parseContext.defaultPrecision[0]);
    $$ = parseContext.intermediate.growAggregate($1.intermNode, $3);
    parseContext.intermediate.setAggregateOperator($$, EOpFunction, $1.function->getType(), $1.loc);
    $$->getAsAggregate()->setName($1.function->getMangledName().c_str());

    // store the pragma information for debug and optimize and other vendor specific
    // information. This information can be queried from the parse tree
    $$->getAsAggregate()->setOptimize(parseContext.contextPragma.optimize);
    $$->getAsAggregate()->setDebug(parseContext.contextPragma.debug);
    $$->getAsAggregate()->setPragmaTable(parseContext.contextPragma.pragmaTable);
}
;

attribute

: LEFT_BRACKET LEFT_BRACKET attribute_list RIGHT_BRACKET RIGHT_BRACKET {
    $$ = $3;
    parseContext.requireExtensions($1.loc, 1, &E_GL_EXT_control_flow_attributes, "attribute");
}

attribute_list
: single_attribute {
    $$ = $1;
}
| attribute_list COMMA single_attribute {
    $$ = parseContext.mergeAttributes($1, $3);
}

single_attribute
: IDENTIFIER {
    $$ = parseContext.makeAttributes(*$1.string);
}
| IDENTIFIER LEFT_PAREN constant_expression RIGHT_PAREN {
    $$ = parseContext.makeAttributes(*$1.string, $3);
}

```

%%

Found in path(s):

* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/glslang.y

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*
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*
/opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-gslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-gslang-5798d23/gslang/MachineIndependent/SymbolTable.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-gslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-gslang-5798d23/gslang/MachineIndependent/ParseHelper.h
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-gslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-gslang-5798d23/gslang/MachineIndependent/Intermediate.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-gslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-gslang-5798d23/hlsl/hlslParseHelper.cpp
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*
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*

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*

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*

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*

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*

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*

/opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-gslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-gslang-5798d23/gslang/MachineIndependent/Initialize.h

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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-gslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-gslang-5798d23/StandAlone/StandAlone.cpp

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*

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gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/IntermTraverse.cpp
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gz/KhronosGroup-glslang-5798d23/glslang/OSDependent/Windows/ossource.cpp
*
/opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-
gz/KhronosGroup-glslang-5798d23/glslang/Include/Types.h
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-
gz/KhronosGroup-glslang-5798d23/glslang/Include/ResourceLimits.h
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-
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glslang-5798d23/gtests/Spv.FromFile.cpp
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/gtests/Settings.cpp
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/gtests/TestFixture.cpp
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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/propagateNoContraction.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/gtests/Link.FromFile.Vk.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/gtests/Pp.FromFile.cpp
* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/gtests/Remap.FromFile.cpp
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```
/* Bison interface for Yacc-like parsers in C
```

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/* As a special exception, you may create a larger work that contains part or all of the Bison parser skeleton and distribute that work

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

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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/SPIRV/GLSL.ext.KHR.h

* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/SPIRV/GLSL.ext.AMD.h

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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/Test/sample.frag

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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/glslang/MachineIndependent/attribute.cpp

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* /opt/cola/permits/1225549725_1636407830.6/0/khronosgroup-glslang-6-2-2596-0-gac37079-tar-gz/KhronosGroup-glslang-5798d23/hlsl/hlslAttributes.h

1.434 jinja2 3.0.3

1.434.1 Available under license :

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Metadata-Version: 2.1

Name: Jinja2

Version: 3.0.3

Summary: A very fast and expressive template engine.

Home-page: <https://palletsprojects.com/p/jinja/>

Author: Armin Ronacher

Author-email: armin.ronacher@active-4.com

Maintainer: Pallets

Maintainer-email: contact@palletsprojects.com

License: BSD-3-Clause

Project-URL: Donate, <https://palletsprojects.com/donate>

Project-URL: Documentation, <https://jinja.palletsprojects.com/>

Project-URL: Changes, <https://jinja.palletsprojects.com/changes/>

Project-URL: Source Code, <https://github.com/pallets/jinja/>

Project-URL: Issue Tracker, <https://github.com/pallets/jinja/issues/>

Project-URL: Twitter, <https://twitter.com/PalletsTeam>

Project-URL: Chat, <https://discord.gg/pallets>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier:

Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=3.6

Description-Content-Type: text/x-rst

Provides-Extra: i18n

License-File: LICENSE.rst

Jinja

=====

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
-
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing

Install and update using `pip`:

```
.. code-block:: text
```

```
$ pip install -U Jinja2
```

```
.. _pip: https://pip.pypa.io/en/stable/getting-started/
```

In A Nutshell

```
.. code-block:: jinja
```

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
{% for user in users %}
```

```
<li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}
```

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The Pallets organization develops and supports Jinja and other popular packages. In order to grow the community of contributors and users, and allow the maintainers to devote more time to the projects, please donate today`_.

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Links

- Documentation: <https://jinja.palletsprojects.com/>
- Changes: <https://jinja.palletsprojects.com/changes/>
- PyPI Releases: <https://pypi.org/project/Jinja2/>
- Source Code: <https://github.com/pallets/jinja/>
- Issue Tracker: <https://github.com/pallets/jinja/issues/>
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[metadata]

name = Jinja2

version = attr: jinja2.__version__

url = <https://palletsprojects.com/p/jinja/>

project_urls =

Donate = <https://palletsprojects.com/donate>

Documentation = <https://jinja.palletsprojects.com/>

Changes = <https://jinja.palletsprojects.com/changes/>

Source Code = <https://github.com/pallets/jinja/>

Issue Tracker = <https://github.com/pallets/jinja/issues/>

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Chat = <https://discord.gg/pallets>

license = BSD-3-Clause

license_files = LICENSE.rst

author = Armin Ronacher

author_email = armin.ronacher@active-4.com

maintainer = Pallets

maintainer_email = contact@palletsprojects.com

description = A very fast and expressive template engine.

long_description = file: README.rst

long_description_content_type = text/x-rst

classifiers =

Development Status :: 5 - Production/Stable

Environment :: Web Environment

Intended Audience :: Developers

License :: OSI Approved ::

BSD License
Operating System :: OS Independent
Programming Language :: Python
Topic :: Internet :: WWW/HTTP :: Dynamic Content
Topic :: Text Processing :: Markup :: HTML

[options]

packages = find:
package_dir = = src
include_package_data = true
python_requires = >= 3.6

[options.packages.find]

where = src

[options.entry_points]

babel.extractors =
jinja2 = jinja2.ext:babel_extract[!18n]

[tool:pytest]

testpaths = tests
filterwarnings =
error
ignore:The loop argument:DeprecationWarning:asyncio[.]base_events:542

[coverage:run]

branch = True
source =
jinja2
tests

[coverage:paths]

source =
src
*/site-packages

[flake8]

select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401

[mypy]

```
files = src/jinja2
python_version = 3.6
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport
= True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True
```

```
[mypy-jinja2.defaults]
no_implicit_reexport = False
```

```
[mypy-markupsafe]
no_implicit_reexport = False
```

```
[egg_info]
tag_build =
tag_date = 0
```

Found in path(s):

```
* /opt/cola/permits/1226358395_1636965021.11/0/jinja2-3-0-3-tar-gz/Jinja2-3.0.3/setup.cfg
```

1.435 libogg 1.3.4-0ubuntu1

1.435.1 Available under license :

This package was debianized by Christopher L Cheney <ccheney@debian.org> on Sun, 29 Oct 2000 01:11:57 -0500.

It was downloaded from <http://www.xiph.org>

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id 1QsTXr-0004MO-Ek

for ron@debian.org; Sun, 14 Aug 2011 05:47:35 +0000
In-Reply-To: <20110813065417.GV2324@audi.shelbyville.oz>
References: <20110813065417.GV2324@audi.shelbyville.oz>
From: Silvia Pfeiffer <silviapfeiffer1@gmail.com>
Date: Sun, 14 Aug 2011 15:47:09 +1000
Message-ID: <CAHp8n2nmGN+G09aA118KN86NeX9yw_VJAQNFZebm74k195zz+Q@mail.gmail.com>
Subject: Re: Distributing the libogg RFCs in the Debian package
To: Ron <ron@debian.org>
Cc: Christopher Montgomery <monty@xiph.org>,
Ivo Emanuel Goncalves <justivo@gmail.com>

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1.436 alsa 1.2.2-2.1ubuntu2.5

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1.437 commons-pool 2.11.1

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1.438 gofrs-flock 0.8.1

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1.439 icu 66.1-2ubuntu2.1

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```
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## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)  
  
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC  
  
## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D_REENTRANT  
LIBCPPFLAGS =  
  
## Compiler switch to embed a runtime search path  
LD_RPATH=  
LD_RPATH_PRE= -Wl,-rpath,  
  
## Compiler switch to embed a library name  
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))  
  
## Shared library options  
LD_SOOPTIONS= -Wl,-Bsymbolic  
  
## Shared object suffix  
SO = so  
## Non-shared intermediate object suffix  
STATIC_O = ao  
  
## Compilation
```



```

rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*\^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*\^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

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```

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#
```

```
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1.441 charset-normalizer 2.0.9

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1.442 six 1.14.0

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1.443 python 3.8.2-0ubuntu2

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <kleed@debian.org> from sources from ftp.python.org/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2	1991-1995	CWI		yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes

2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009		
	PSF	yes		
3.0	2.6	2008	PSF	yes
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1.444 libseccomp 2.5.1-1ubuntu1~20.04.2

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1.445 google-golang-org-genproto 0.0.0-20190819201941-24fa4b261c55

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1.446 properties 1.8.1

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goproperties - properties file decoder for Go

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1.447 configparser 5.2.0

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1.448 apache-log4j 2.17.1

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1.449 log4j-api 2.17.1

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1.450 log4j-to-slf4j 2.17.1

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1.451 logback-core 1.2.10

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1.452 valyala-histogram 1.1.2

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1.453 valyala-fastrand 1.0.0

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1.454 victoriametrics-metrics 1.17.2

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name: license-check

on:

push:

paths:

- 'vendor'

pull_request:

paths:

- 'vendor'

permissions:

contents: read

jobs:

build:

name: Build

runs-on: ubuntu-latest

steps:

- name: Setup Go

uses: actions/setup-go@main

with:

go-version: 1.18

id: go

- name: Code checkout

uses: actions/checkout@master

- name: Check License

run: |

make check-licenses

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Support for streaming Protocol Buffer messages for the Go language (golang).

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gosnappy - a fork of code.google.com/p/snappy-go

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go-zookeeper - Native ZooKeeper client for Go

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Time series compression algorithm from Facebook's Gorilla paper

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1.458 valyala-fastrand 1.1.0

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1.459 glibc 2.27-3ubuntu1

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1.460 dom 1.0

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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/w3c/dom/html/HTMLDOMImplementation.java

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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ElementEditAS.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASObject.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/CharacterDataEditAS.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMImplementationAS.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASModel.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DocumentAS.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASElementDeclaration.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASEntityDeclaration.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASNamedObjectMap.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASDataType.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASContentModel.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMASWriter.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DocumentEditAS.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASObjectList.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMASBuilder.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMASException.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/NodeEditAS.java

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*/
/**
 * Checks if this content model has had its min/maxOccurs values reduced for
 * purposes of speeding up UPA. If
so, this content model should not be used
 * for any purpose other than checking unique particle attribution
 *
 * @return a boolean that says whether this content has been compacted for UPA
 */
```

Found in path(s):

```
*/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/models/XSCMValidator.java
```

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*/
/**
 * DOM Level 3 LS CR - Experimental.
 * Create a new LSParser. The newly constructed parser may
```

*
then be configured by means of its `DOMConfiguration`
* object, and used to parse documents by means of its `parse`
* method.
* @param mode The `mode` argument is either
* `MODE_SYNCHRONOUS` or `MODE_ASYNCHRONOUS`, if
* `mode` is `MODE_SYNCHRONOUS` then the
* `LSParser` that is created will operate in synchronous
* mode, if it's `MODE_ASYNCHRONOUS` then the
* `LSParser` that is created will operate in asynchronous
* mode.
* @param schemaType An absolute URI representing the type of the schema
* language used during the load of a `Document` using the
* newly created `LSParser`. Note that no lexical checking
* is done on the absolute URI. In order to create a
* `LSParser` for any kind of schema types (i.e. the
* `LSParser` will be free to use any schema
found), use the value
* `null`.
*

>Note: For W3C XML Schema [
* , applications must use the value
* `"http://www.w3.org/2001/XMLSchema"`. For XML DTD [
* applications must use the value
* `"http://www.w3.org/TR/REC-xml"`. Other Schema languages
* are outside the scope of the W3C and therefore should recommend an
* absolute URI in order to use this method.
* @return The newly created `LSParser` object. This
* `LSParser` is either synchronous or asynchronous
* depending on the value of the `mode` argument.
*

>Note: By default, the newly created `LSParser`
* does not contain a `DOMErrorHandler`, i.e. the value of
* the "
error-handler" configuration parameter is `null`. However, implementations
* may provide a default error handler at creation time. In that case,
* the initial value of the `"error-handler"` configuration
* parameter on the new created `LSParser` contains a
* reference to the default error handler.
* @exception DOMException
* NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
* not supported.
*/

Found in path(s):

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/CoreDOMImplementationImpl.java

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```
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDocumentInfo.java
*
 /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDElementTraverser.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/xni/parser/XMLErrorHandler.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLFrameElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/util/XMLEntityDescriptionImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/util/ShadowedSymbolTable.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/util/ObjectListImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/dom/WMLImgElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/WMLOptgroupElement.java
*
 /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/xni/parser/XMLInputSource.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/WMLImgElement.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/dom/DeferredCDATASectionImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDAbstractIDConstraintTraverser.java
```

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLTimerElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/XSParticle.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLWmlElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/AnySimpleDV.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/StringList.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLTimerElement.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xpath/regex/CaseInsensitiveMap.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/SchemaDOMImplementation.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/DefaultXMLDocumentHandler.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/DeferredElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLAnchorElement.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xml/serialize/HTMLSerializer.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLHtmlElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/stax/DefaultNamespaceContext.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xinclude/MultipleScopeNamespaceSupport.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/SchemaParsingConfig.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dtd/XML11NSDtdValidator.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xpointer/XPointerMessageFormatter.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/XSException.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLMetaElementImpl.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLQuoteElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/EncodingMap.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-

jar/org/apache/xerces/xinclude/XIncludeTextReader.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/dom/DOMInputImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/ObjectFactory.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/xpointer/XPointerHandler.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/util/XMLCatalogResolver.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/jaxp/TeeXMLDocumentFilterImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLTableSectionElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dtd/models/CMStateSet.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/Base64BinaryDV.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/jaxp/validation/DraconianErrorHandler.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/jaxp/JAXPValidatorComponent.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLTitleElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/parsers/XML11NonValidatingConfiguration.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/dom/ElementDefinitionImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dtd/XMLElementDecl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/XSAttributeGroupDecl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/parsers/AbstractDOMParser.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLSelectElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLLabelElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLFieldSetElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/dom/WMLCardElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/util/ShortListImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/util/Base64.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/CDATASectionImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/jaxp/validation/XSGrammarPoolContainer.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/models/CMBuilder.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLMetaElement.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/XSSimpleType.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/XSSimpleTypeDelegate.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/SchemaDOMParser.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xpath/regex/RegularExpression.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/ElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/events/UIEventImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xml/serialize/Method.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/stax/events/EntityReferenceImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/datatypes/ByteList.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLBodyElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dtd/XMLNSDTDValidator.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/models/XSCMBinOp.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/DeferredAttrImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/DOMUtil.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLIElementImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/jaxp/SAXParserFactoryImpl.java

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jar/org/apache/html/dom/HTMLOptGroupElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/DVFactoryException.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLDocumentImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/SchemaDateTimeException.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/WMLOptionElement.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/WMLPElement.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLOptionElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/WMLElement.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLParamElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/dom/TreeWalkerImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/dtd/XML11DTDDVFactoryImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xpath/regex/ParseException.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/xni/parser/XMLDTDFilter.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dtd/XMLDTDValidator.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDNotationTraverser.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/xni/grammars/XMLSchemaDescription.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/jaxp/validation/DOMResultBuilder.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/dom/WMLAnchorElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/html/dom/HTMLModElementImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/wml/dom/WMLDocumentImpl.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/DeferredElementNSImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLTableCaptionElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/XMLEntityHandler.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/parsers/StandardParserConfiguration.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/models/XSAllCM.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/AttrImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLFieldsetElementImpl.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLDoElementImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xpath/regex/RangeToken.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/parsers/DOMASBuilderImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/html/dom/NameNodeListImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLDOMImplementationImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/io/UCSReader.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/parsers/XIncludeAwareParserConfiguration.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/RevalidationHandler.java
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/XSValue.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/NodeImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/dtd/XML11IDREFDatatypeValidator.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xni/parser/XMLConfigurationException.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/AttributesProxy.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/jaxp/validation/ValidatorImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/parsers/XMLGrammarParser.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dtd/XMLSimpleType.java
*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/SchemaNamespaceSupport.java

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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/DOMImplementationListImpl.java

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*/

/**

- * used to check the 3 constraints against each complex type
- * (should be each model group):
- * Unique Particle

Attribution, Particle Derivation (Restriction),

- * Element Declarations Consistent.

*/

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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/XSConstraints.java

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Found in path(s):

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/datatypes/package.html

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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-

jar/org/apache/xerces/impl/xs/models/XSDFACM.java

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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/AbstractDateTimeDV.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDKeyrefTraverser.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/DateDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/DateTimeDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDUniqueOrKeyTraverser.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/MonthDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/DurationDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/MonthDayDV.java

*

/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/TimeDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSAttributeChecker.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearMonthDV.java

* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-

```
jar/org/apache/xerces/impl/xs/XSModelGroupImpl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/XSSimpleTypeDecl.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDHandler.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/dv/xs/DayDV.java
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xs/XMLSchemaValidator.java
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* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/XMLSchemaMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xpath/regex/message.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/DOMMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/XPointerMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/DatatypeMessages.properties
*
/opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xpath/regex/message_fr.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/SAXMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/XIncludeMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/XMLMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/XMLSerializerMessages.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/xpath/regex/message_ja.properties
* /opt/cola/permits/1257218116_1642790294.82/0/xercesimpl-2-12-0-sources-
jar/org/apache/xerces/impl/msg/JAXPValidationMessages.properties
```

1.461 simpleclient 0.9.0

1.461.1 Available under license :

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* /opt/cola/permits/1257332897_1642801897.79/0/simpleclient-0-9-0-sources-jar/io/prometheus/client/DoubleAdder.java

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* /opt/cola/permits/1257332897_1642801897.79/0/simpleclient-0-9-0-sources-jar/io/prometheus/client/Striped64.java

1.462 simpleclient-servlet 0.9.0

1.462.1 Available under license :

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1.463 simpleclient-dropwizard 0.9.0

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1.464 jetty-setuid-java 1.0.4

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* /opt/cola/permits/1257333122_1642801905.86/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/SetUIDListener.java
* /opt/cola/permits/1257333122_1642801905.86/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/SetUIDServer.java
* /opt/cola/permits/1257333122_1642801905.86/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/SetUID.java
* /opt/cola/permits/1257333122_1642801905.86/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/Group.java
* /opt/cola/permits/1257333122_1642801905.86/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/RLimit.java
*
/opt/cola/permits/1257333122_1642801905.86/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/Passwd.java
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1.465 logging-interceptor 3.12.12

1.465.1 Available under license :

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* /opt/cola/permits/1257332962_1642801933.56/0/logging-interceptor-3-12-12-sources-jar/okhttp3/logging/HttpLoggingInterceptor.java

1.466 zjsonpatch 0.3.0

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jar/com/flipkart/zjsonpatch/NodeType.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/JsonDiff.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/NoopProcessor.java
*
/opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/ApplyProcessor.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/Constants.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/CompatibilityFlags.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/JsonPatchApplicationException.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/JsonPatchProcessor.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/InvalidJsonPatchException.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/Operation.java
* /opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-
jar/com/flipkart/zjsonpatch/JsonPatch.java
*
/opt/cola/permits/1257333041_1642801938.9/0/zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Diff.java
```

1.467 java-semver 0.9.0

1.467.1 Available under license :

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* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/LexerException.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/package-info.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/And.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Not.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/ExpressionParser.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/package-info.java
*
/opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/GreaterOrEqual.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/LessOrEqual.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Equal.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/UnexpectedTokenException.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/NotEqual.java

```
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/CompositeExpression.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Or.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/util/Stream.java
*
/opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Expression.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/VersionParser.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/util/UnexpectedElementException.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/Version.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/NormalVersion.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Lexer.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/UnexpectedCharacterException.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/util/package-info.java
*
/opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Less.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/Parser.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/expr/Greater.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/ParseException.java
* /opt/cola/permits/1257333337_1642801889.72/0/java-semver-0-9-0-sources-
jar/com/github/zafarkhaja/semver/MetadataVersion.java
```

1.468 profiler 1.1.1

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*
* Date: Thu Jun 30 14:16:56 2011 -0400
*/

Found in path(s):

* /opt/cola/permits/1257333100_1642801922.15/0/gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/resources/jquery-1.6.2.min.js
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* <http://github.com/jquery/jquery-tmpl>
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jar/com/google/appengine/tools/appstats/MiniProfilerAppstats.java
* /opt/cola/permits/1257333100_1642801922.15/0/gae-mini-profiler-1-1-1-sources-
jar/ca/jimr/gae/profiler/MiniProfiler.java
* /opt/cola/permits/1257333100_1642801922.15/0/gae-mini-profiler-1-1-1-sources-
jar/ca/jimr/gae/profiler/MiniProfilerFilter.java
* /opt/cola/permits/1257333100_1642801922.15/0/gae-mini-profiler-1-1-1-sources-
jar/ca/jimr/gae/profiler/resources/MiniProfilerResourceLoader.java
* /opt/cola/permits/1257333100_1642801922.15/0/gae-mini-profiler-1-1-1-sources-
jar/ca/jimr/gae/profiler/MiniProfilerServlet.java

1.469 simpleclient-common 0.9.0

1.469.1 Available under license :

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1.470 stateless4j 2.5.0

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* /opt/cola/permits/1257784248_1643014186.5/0/stateless4j-2-5-0-sources-
jar/com/github/oxo42/stateless4j/delegates/FuncBoolean.java
* /opt/cola/permits/1257784248_1643014186.5/0/stateless4j-2-5-0-sources-

1.471 mchange-commons-java 0.2.15

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1.472 logback-jackson 0.1.5

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1.473 logback-json-core 0.1.5

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1.474 logback-json-classic 0.1.5

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1.475 jackson-jaxrs 2.9.9

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1.480 commons-cli 1.5.0

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1.481 argparse 0.7.0

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* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/impl/action/StoreFalseArgumentAction.java

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* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/inf/FeatureControl.java

* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/impl/type/ConstructorArgumentType.java

* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/impl/choice/RangeArgumentChoice.java

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/opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/inf/ArgumentParser.java

* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-

jar/net/sourceforge/argparse4j/impl/choice/CollectionArgumentChoice.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/internal/ArgumentParserImpl.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/helper/CJKTextWidthCounter.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/ArgumentParsers.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/impl/action/AppendArgumentAction.java
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jar/net/sourceforge/argparse4j/impl/action/StoreArgumentAction.java
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/opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/inf/Argument.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/inf/Subparsers.java
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jar/net/sourceforge/argparse4j/internal/SubparserImpl.java
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jar/net/sourceforge/argparse4j/impl/action/StoreConstArgumentAction.java
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/opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
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jar/net/sourceforge/argparse4j/inf/ArgumentAction.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/inf/Namespace.java
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jar/net/sourceforge/argparse4j/impl/Arguments.java
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* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
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* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
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* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/impl/type/StringArgumentType.java
*
/opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-
jar/net/sourceforge/argparse4j/inf/ArgumentParserException.java

* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/helper/TextHelper.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/internal/ArgumentImpl.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/internal/SubparsersImpl.java
* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/helper/ASCIITextWidthCounter.java
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* /opt/cola/permits/1260522043_1643170161.62/0/argparse4j-0-7-0-sources-jar/net/sourceforge/argparse4j/inf/ArgumentChoice.java
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1.488 cyrus-sasl 2.1.27+dfsg-2ubuntu0.1

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* Rob Earhart

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1.491 jul-to-slf4j 1.7.36

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jar/org/slf4j/bridge/SLF4JBridgeHandler.java
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1.492 log4j-over-slf4j 1.7.36

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over-slf4j/pom.xml
```

1.493 benbjohnson-clock 1.1.0

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1.494 go-ldap-ldap 3.4.2

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1.495 bouncycastle-fips 1.0.2.3

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1.499 logback-core 1.2.11

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1.502 netns 0.0.0-20170707011535-86bef332bfc3

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1.503 gorilla 1.5.0

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1.504 alsa-ucm-conf 1.2.2-1ubuntu0.13

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1.506 x-oauth2 0.0.0-20220223155221-ee480838109b

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1.507 xz 5.2.4-1ubuntu1.1

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Upstream-Name: XZ Utils
Upstream-Contact:
Lasse Collin <lasse.collin@tukaani.org>
<https://tukaani.org/xz/lists.html>
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To: Jonathan Nieder <jrnieder@gmail.com>

Subject: Re: XZ utils for Debian

Date: Sun, 19 Jul 2009 13:28:23 +0300

Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

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Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

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dos/config.h was generated with autoheader, which tells Autoconf to
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Files: po/Makevars

Origin: gettext-runtime/po/Makevars (gettext-0.12)

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1.509 bash 5.0-6ubuntu1.2

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This package was put together by Matthias Klose <doko@debian.org>, from the following sources:

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

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support/man2html.c

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1.510 goprotobuf 1.3.2

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1.512 cast 1.4.0

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1.513 afero 1.5.1

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1.533 jwalterweatherman 1.1.0

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1.534 glob 0.2.3

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1.538 cast 1.3.1

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- * VI syntax highlighting tweaks.
- * Fix compiler to not make output executable.

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- * Heuristic detection of sub-messages when printing unknown fields in text format.

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- * Solaris 10 + Sun Studio fixes.

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- * Slicing support for repeated scalar fields for the Python API.

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- * MS Visual Studio error format option.
- * Detect unordered_map in stl_hash.m4.

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- * gzip/zlib I/O support.

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- * Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- * Added generation of field number constants.

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- * Fixed initialization ordering problem in logging code.

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- * Small patch improving performance of in Python serialization.

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- * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>

- * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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- * HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- * Detect whether zlib is new enough in configure script.
- * Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

- * Optimize Java serialization code when writing a small message to a stream.
- * Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- * Clean up some Java warnings.
- * Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

- * Added CodedInputStream.getTotalBytesRead().

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- * Fixed m4/acx_pthread.m4 problem for some Linux distributions.

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- * Fixed detection of sched_yield on Solaris.
- * Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- * Fixed minor IBM xLC compiler build issues
- * Added atomicops for AIX (POWER)

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1.546 go-toml 1.9.3

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localtime.go, localtime_test.go:

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<https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go>

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Changes:

- * Renamed files from civil* to localtime*.
- * Package changed from civil to toml.
- * 'Local' prefix added to all structs.

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1.547 sarama 1.29.1

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1.548 gokrb5 8.4.2

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#

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```
# git log --oneline --pretty=format:'%an <%aE>' | sort -u
#
Andreas Jaekle <andreas@jaekle.net>
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Ethan Mosbaugh <emosbaugh@gmail.com>
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1.551 open-ldap 2.4.49+dfsg-2ubuntu1.9

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1.553 libnsl 2.31

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Implementation-Title: istack common utility code runtime

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Implementation-Version: 3.0.5

Built-By: build

Bnd-LastModified: 1486772850426

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Implementation-Vendor-Id: com.sun.istack

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Import-Package: javax.activation,javax.xml.namespace,javax.xml.stream,org.xml.sax,org.xml.sax.helpers

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"

Tool: Bnd-3.2.0.201605172007

Implementation-Vendor: Oracle Corporation

Export-Package: com.sun.istack;uses="javax.activation,javax.xml.stream,org.xml.sax,org.xml.sax.helpers";version="3.0.5",com.sun.istack.logging;version="3.0.5",com.sun.istack.localization;version="3.0.5"

Bundle-Name:

istack common utility code runtime

Bundle-Version: 3.0.5

Implementation-Build-Id: tags/istack-commons-3.0.5-321, 2017-02-11T01:27:24+0100

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0_112

Found in path(s):

* /opt/cola/permits/1334904685_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-

1.558 cast 1.5.0

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1.559 google-go-cmp 0.5.8

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1.560 keyutils 1.6-6ubuntu1.1

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1.561 go-openapi-jsonreference 0.20.0

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1.562 e2fsprogs 1.45.5-2ubuntu1.1

1.562.1 Available under license :

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

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

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

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

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

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

```
image: $(BSD_LIB)
```

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

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

```
install-strip: install
```

```
install-shlibs-strip:: install-shlibs
```

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

```
clean::
$(RM)
```

-rf pic

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

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

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

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

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```
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```

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```
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```

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

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Theodore Ts'o
23-June-2007

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```

```
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Ty Coon, President of Vice
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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

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

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

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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1.563 google-cloud-go 0.97.0

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```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute
```

```
import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "net/http"
    "net/url"

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
)

var
    newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
```

```

Get []gax.CallOption
TestIamPermissions []gax.CallOption
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently.
// However, fields must not be modified concurrently with method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

    // The call options for this service.
    CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

```

```

//
Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However,
fields must not be modified concurrently with method calls.
type licenseCodesRESTClient struct {
// The http endpoint to connect to.
endpoint string

// The http client.
httpClient *http.Client

// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
if err != nil {
return nil, err
}

c := &licenseCodesRESTClient{
endpoint: endpoint,
httpClient: httpClient,
}
c.setGoogleClientInfo()

return &LicenseCodesClient{internalClient: c, CallOptions: &LicenseCodesCallOptions{}}, nil

```

```

}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go", versionGo()}, keyval...)
kv = append(kv, "gopic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}

//
// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {

```



```

return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp,
err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.LicenseCode{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err
:= m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)

```

```

baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.TestPermissionsResponse{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return
rsp, nil
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute
```

```
import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "math"
    "net/http"
    "net/url"

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
    "google.golang.org/protobuf/proto"
)
```

```
var
    newLicensesClientHook clientHook
```

```
// LicensesCallOptions contains the retry settings for each method of LicensesClient.
```

```
type LicensesCallOptions struct {
    Delete      []gax.CallOption
    Get         []gax.CallOption
    GetIamPolicy []gax.CallOption
    Insert      []gax.CallOption
    List        []gax.CallOption
    SetIamPolicy []gax.CallOption
    TestIamPermissions []gax.CallOption
}
```

```
// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
```

```
type internalLicensesClient interface {
    Close() error
    setGoogleClientInfo(...string)
```

```

Connection() *grpc.ClientConn
Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption)
(*computepb.License, error)
GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

```

// LicensesClient is a client for interacting with Google Compute Engine API.

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

//

// The Licenses API.

```

type LicensesClient struct {
// The internal transport-dependent client.
internalClient internalLicensesClient

```

// The call options for this service.

```

CallOptions
*LicensesCallOptions
}

```

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when

// the client is no longer required.

```

func (c *LicensesClient) Close() error {
return c.internalClient.Close()
}

```

// setGoogleClientInfo sets the name and version of the application in

// the `x-goog-api-client` header passed on each request. Intended for

// use by Google-written clients.

```

func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
c.internalClient.setGoogleClientInfo(keyval...)
}

```

// Connection returns a connection to the API service.

//

// Deprecated.

```

func (c *LicensesClient) Connection() *grpc.ClientConn {
return c.internalClient.Connection()
}

```

```

}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party
partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource.
Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

```

```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
    // The http endpoint to connect
    to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
    clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }

    c := &licensesRESTClient{
        endpoint: endpoint,
        httpClient: httpClient,
    }
    c.setGoogleClientInfo()

    return &LicensesClient{internalClient: c, CallOptions: &LicensesCallOptions{}}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

```

```

}
}

//
setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gpic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
    return nil
}

// Delete deletes the specified
// license. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
// images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    params := url.Values{ }
    if req != nil && req.RequestId != nil {
        params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)

```

```

// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp);
err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Operation{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for
    k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v

```



```

}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
rsp := &computepb.License{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl,
    _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

    params := url.Values{}
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)

```

```

// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true,
DiscardUnknown: true}
rsp := &computepb.Policy{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

    params := url.Values{}
    if req != nil && req.RequestId != nil {
        params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
    }
}

```

```

}

baseUrl.RawQuery = params.Encode()

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if
err != nil {
return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Operation{ }

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
// belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
// list of
// publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud
// or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts

```

```

...gax.CallOption) *LicenseIterator {
it := &LicenseIterator{}
req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
    resp := &computepb.LicensesListResponse{}
    if pageToken != "" {
        req.PageToken = proto.String(pageToken)
    }
    if pageSize > math.MaxInt32 {
        req.MaxResults = proto.Uint32(math.MaxInt32)
    } else if pageSize != 0 {
        req.MaxResults = proto.Uint32(uint32(pageSize))
    }
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses",
req.GetProject())

    params := url.Values{}
    if req != nil && req.Filter != nil {
        params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
    }
    if req != nil && req.MaxResults != nil {
        params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
    }
    if req != nil && req.OrderBy != nil {
        params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
    }
    if req != nil && req.PageToken != nil {
        params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
    }
    if req != nil && req.ReturnPartialSuccess != nil {
        params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
    }

    baseUrl.RawQuery = params.Encode()

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, "", err
    }

    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }

    httpReq.Header["Content-Type"] = []string{"application/json"}

```

```

httpRsp, err := c.httpClient.Do(httpReq)
if
err != nil {
    return nil, "", err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, "", err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, "", err
}

unm.Unmarshal(buf, resp)
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

```

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func
(c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    m := protojson.MarshalOptions{ AllowPartial: true }
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
}

```

```

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf,
err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Policy{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()

```

```

jsonReq, err := m.Marshal(body)
if err != nil {
    return nil, err
}

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.TestPermissionsResponse{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
    items []*computepb.License
    pageInfo *iterator.PageInfo

```

```

nextFunc func() error

//
Response is the raw response for the current page.
// It must be cast to the RPC response type.
// Calling Next() or InternalFetch() updates this value.
Response interface{ }

// InternalFetch is for use by the Google Cloud Libraries only.
// It is not part of the stable interface of this package.
//
// InternalFetch returns results from a single call to the underlying RPC.
// The number of results is no greater than pageSize.
// If there are no more results, nextPageToken is empty and err is nil.
InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*computepb.License, error) {
var item *computepb.License
if err := it.nextFunc(); err != nil {
return item, err
}
item = it.items[0]
it.items = it.items[1:]
return item, nil
}

func (it *LicenseIterator) bufLen() int {
return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
b := it.items
it.items = nil
return b
}
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// you may not use this file except in compliance with the License.

```



```

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// See the License for the specific language governing permissions and
// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use
    client.
    _ = c
}

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {

```

```

// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See
        https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseCodeRequest.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    //
    // TODO: Use resp.
    _ = resp
}

```

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package compute_test

import (
"context"

compute "cloud.google.com/go/compute/apiv1"

```

"google.golang.org/api/iterator"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

func ExampleNewLicensesRESTClient() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer
    c.Close()

    // TODO: Use client.
    _ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.DeleteLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#DeleteLicenseRequest.
    }
    resp, err := c.Delete(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_Get() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseRequest.

```



```

}
resp, err := c.Get(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_GetIamPolicy()
{
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetIamPolicyLicenseRequest.
    }
    resp, err := c.GetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_Insert() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.InsertLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#InsertLicenseRequest.
    }
    resp, err := c.Insert(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

```

```

}

func ExampleLicensesClient_List() {
    ctx :=
    context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.ListLicensesRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicensesRequest.
    }
    it := c.List(ctx, req)
    for {
        resp, err := it.Next()
        if err == iterator.Done {
            break
        }
        if err != nil {
            // TODO: Handle error.
        }
        // TODO: Use resp.
        _ = resp
    }
}

func ExampleLicensesClient_SetIamPolicy() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.SetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#SetIamPolicyLicenseRequest.
    }
    resp, err := c.SetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

```

```

func
ExampleLicensesClient_TestIamPermissions() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseRequest{
        // TODO: Fill request struct fields.
        // See
https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseRequest.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

```

1.564 stackexchange-wmi 0.0.0-20190523213315-cbe66965904d

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1.565 x-lint 0.0.0-20201208152925-83fdc39ff7b5

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1.566 nmccclain-ldap 0.0.0-20191021200707-3b3b69a7e9e3

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1.567 nmccclain-asn1-ber 0.0.0- 20170104154839-2661553a0484

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1.568 gopherjs 0.0.0-20181017120253-0766667cb4d1

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1.569 coreos-bbolt 1.3.6

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1.570 stackexchange-wmi 1.2.0

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1.572 google-gnostic 0.5.7-v3refs

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1.573 go-errors-errors 1.4.0

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1.574 python-certifi 2021.05.30

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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1.575 activation-api 1.2.2

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1.576 docker-distribution 2.8.1+incompatible

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Gocheck - A rich testing framework for Go

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1.579 jetty 9.4.48.v20220622

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Eclipse

The following artifacts are EPL.

- * org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

- * org.eclipse.jetty.orbit:javac.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- * org.eclipse.jetty.orbit:javac.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.581 jetty-servlets 9.4.48.v20220622

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The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.582 jetty-continuation 9.4.48.v20220622

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- * org.eclipse.jetty.orbit:javax.mail.glassfish

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- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

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org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.590 gopkg.in-check 1.0.0-20190902080502-41f04d3bba15

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1.591 jakarta-inject-api 1.0.5

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1.592 go.uber.org/atom 1.10.0

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1.593 chardet 4.0.0

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1.594 html5lib 1.1

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1.595 colorama 0.4.4

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1.596 webencodings 0.5.1

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python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard`
<<http://encoding.spec.whatwg.org/>>` _.

* Latest documentation: <http://packages.python.org/webencodings/>

* Source code and issue tracker:

<https://github.com/gsnedders/python-webencodings>
* PyPI releases: <http://pypi.python.org/pypi/webencodings>
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules. For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration. The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Python's.

Found in path(s):
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/README.rst
No license file was found, but licenses were detected in source scan.

```
from setuptools import setup, find_packages
import io
from os import path
import re
```

```
VERSION = re.search("VERSION = '([^\n+]+'"', io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8'
).read().strip()).group(1)
```

```
LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8'
).read()
```

```
setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
```

```

maintainer='Geoffrey Sneddon',
maintainer_email='me@gsnedders.com',
description='Character encoding aliases for legacy web content',
long_description=LONG_DESCRIPTION,
classifiers=[
    'Development Status :: 4 - Beta',
    'Intended Audience :: Developers',
    'License :: OSI Approved :: BSD License',
    'Programming Language
:: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Programming Language :: Python :: Implementation :: CPython',
    'Programming Language :: Python :: Implementation :: PyPy',
    'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

```

Found in path(s):

```
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py
```

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"""

webencodings.mklables

~~~~~

Regenerate the webencodings.labels module.

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"""

```
import json
```

```
try:
```

```
    from urllib import urlopen
```

```
except ImportError:
```

```
    from urllib.request import urlopen
```

```

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = []
    """
    webencodings.labels
    ~~~~~

 Map encoding labels to their name.

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 """

 # XXX Do not edit!
 # This file is automatically generated by mklabels.py

 LABELS = {
 """
 labels = [
 (repr(assert_lower(label)).lstrip('u'),
 repr(encoding['name']).lstrip('u'))
 for category in json.loads(urlopen(url).read().decode('ascii'))
 for encoding in category['encodings']
 for label in encoding['labels']]
 max_len = max(len(label) for label, name in labels)
 parts.extend(
 ' %s:%s %s,\n' % (label, ' ' * (max_len - len(label)), name)
 for label, name in labels)
 parts.append('}')
 return ".join(parts)

if __name__ == '__main__':
 print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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```

Found in path(s):

- \* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/labels.py
- \* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/\_\_init\_\_.py
- \* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/tests.py
- \* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/x\_user\_defined.py

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Metadata-Version: 1.1

Name: webencodings

Version: 0.5.1

Summary: Character encoding aliases for legacy web content

Home-page: <https://github.com/SimonSapin/python-webencodings>

Author: Geoffrey Sneddon

Author-email: [me@gsnedders.com](mailto:me@gsnedders.com)

License: BSD

Description: python-webencodings

=====

This is a Python implementation of the `WHATWG Encoding standard`  
<<http://encoding.spec.whatwg.org/>>`\_.

- \* Latest documentation: <http://packages.python.org/webencodings/>
- \* Source code and issue tracker:  
<https://github.com/gsnedders/python-webencodings>
- \* PyPI releases: <http://pypi.python.org/pypi/webencodings>
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- \* Python 2.6+ and 3.3+

In order to be compatible with legacy web content  
when interpreting something like ``Content-Type: text/html; charset=latin1``,  
tools need to use a particular set  
of aliases for encoding labels  
as well as some overriding rules.  
For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually  
aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence  
over any other encoding declaration.  
The Encoding standard defines all such details so that implementations do  
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,  
but the actual implementation for encoders and decoders is Python's.

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta  
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Classifier: Programming Language :: Python :: 2  
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Found in path(s):

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\* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-INFO

# 1.597 pep517 0.12.0

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The primary author and maintainer of six is Benjamin Peterson. He would like to  
acknowledge the following people who submitted bug reports, pull requests, and  
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## 1.600 tomli 2.0.1

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## 1.602 kustomize-api 0.12.1

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# 1.604 kustomize-kyaml 0.13.9

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# 1.610 python-certifi 2021.10.8

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This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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# 1.611 pyyaml 6.0

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Manifest-Version: 1.0

Bnd-LastModified: 1655327871630

Build-Jdk: 11.0.15

Built-By: fabian

Bundle-Description: The Prometheus Java Suite: Client Metrics, Exposition, and Examples



Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>  
Bundle-ManifestVersion: 2  
Bundle-Name: Prometheus Java Span Context Supplier - OpenTelemetry  
Bundle-SymbolicName: io.prometheus.simpleclient\_tracer\_otel  
Bundle-Version: 0.16.0  
Created-By: Apache Maven Bundle Plugin  
Export-Package: io.prometheus.client.exemplars.tracer.otel;uses:="io.prometheus.client.exemplars.tracer.common";version="0.16.0"  
Import-Package: io.opentelemetry.api.trace;resolution:=optional,io.prometheus.client.exemplars.tracer.common;version="[0.16,1)"  
Tool: Bnd-2.1.0.20130426-122213

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\* /opt/cola/permits/1417007497\_1663222176.7797983/0/simpleclient-tracer-otel-0-16-0-jar/META-INF/MANIFEST.MF

## 1.616 simpleclient-common 0.16.0

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## 1.617 simpleclient-httpserver 0.16.0

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## 1.618 simpleclient\_tracer\_otel\_agent 0.16.0

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## 1.619 simpleclient-hotspot 0.16.0

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Manifest-Version: 1.0

Bnd-LastModified: 1655327979490

Build-Jdk: 11.0.15

Built-By: fabian

Bundle-Description: Collectors of data from Java Hotspot.

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Prometheus Java Simpleclient Hotspot

Bundle-SymbolicName: io.prometheus.simpleclient\_hotspot

Bundle-Version: 0.16.0

Created-By: Apache Maven Bundle Plugin

Export-Package: io.prometheus.client.hotspot;uses:="io.prometheus.client";version="0.16.0"

Import-Package: com.sun.management,io.prometheus.client;version="[0.16,1)",javax.management,javax.management.openmbean

Tool: Bnd-2.1.0.20130426-122213

Found in path(s):

\* /opt/cola/permits/1417007560\_1663222261.4278126/0/simpleclient-hotspot-0-16-0-jar/META-INF/MANIFEST.MF

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### THE BASIC LIBRARY FUNCTIONS

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## 1.624 slf4j 1.7.36

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```
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```

```
package hooks
```

```
import (
 "bytes"
 "io/ioutil"
 "os/exec"
 "runtime"
 "testing"

 "golang.org/x/tools/internal/testenv"
)

func TestLicenses(t *testing.T) {
 // License text differs for older Go versions because staticcheck isn't
 // supported for those versions.
 testenv.NeedsGo1Point(t, 17)

 if runtime.GOOS != "linux" && runtime.GOOS != "darwin" {
 t.Skip("generating licenses only works on Unices")
 }
 tmp, err := ioutil.TempFile("", "")
 if err != nil {
 t.Fatal(err)
 }
}
```

```

tmp.Close()

if out, err := exec.Command("./gen-licenses.sh", tmp.Name()).CombinedOutput(); err != nil {
 t.Fatalf("generating licenses failed: %q, %v", out, err)
}

got, err := ioutil.ReadFile(tmp.Name())
if err != nil {
 t.Fatal(err)
}
want, err := ioutil.ReadFile("licenses.go")
if err != nil {
 t.Fatal(err)
}
if !bytes.Equal(got, want) {
 t.Error("combined
license text needs updating. Run: `go generate ./internal/hooks` from the gopls module.")
}
}

```

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```

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//go:build go1.18
// +build go1.18

// Package copyright checks that files have the correct copyright notices.
package copyright

import (
 "go/ast"
 "go/parser"
 "go/token"
 "io/fs"
 "io/ioutil"
 "path/filepath"
 "regexp"
 "strings"
)

func checkCopyright(dir string) ([]string, error) {
 var files []string
 err := filepath.WalkDir(dir, func(path string, d fs.DirEntry, err error) error {
 if err != nil {
 return err
 }
 if d.IsDir() {
 // Skip directories like ".git".
 if strings.HasPrefix(d.Name(), ".") {
 return filepath.SkipDir
 }
 // Skip any directory that starts with an underscore, as the go
 // command would.
 if strings.HasPrefix(d.Name(), "_") {
 return filepath.SkipDir
 }
 }
 return nil
 })
 needsCopyright, err := checkFile(dir, path)
 if err != nil {
 return err
 }
 if needsCopyright {
 files
 }
 = append(files, path)
}
return nil

```

```

 })
 return files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved.
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license that can be found in the LICENSE file.`)

func checkFile(toolsDir, filename string) (bool, error) {
 // Only check Go files.
 if !strings.HasSuffix(filename, ".go") {
 return false, nil
 }
 // Don't check testdata files.
 normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
 if strings.Contains(normalized, "/testdata/") {
 return false, nil
 }
 // goyacc is the only file with a different copyright header.
 if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
 return false, nil
 }
 content, err := ioutil.ReadFile(filename)
 if err != nil {
 return false, err
 }
 fset := token.NewFileSet()
 parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
 if err != nil {
 return false, err
 }
 // Don't require headers
 on generated files.
 if isGenerated(fset, parsed) {
 return false, nil
 }
 shouldAddCopyright := true
 for _, c := range parsed.Comments {
 // The copyright should appear before the package declaration.
 if c.Pos() > parsed.Package {
 break
 }
 if copyrightRe.MatchString(c.Text()) {
 shouldAddCopyright = false
 break
 }
 }
 return shouldAddCopyright, nil
}

```

```

}

// Copied from golang.org/x/tools/internal/lsp/source/util.go.
// Matches cgo generated comment as well as the proposed standard:
//
// https://golang.org/s/generatedcode
var generatedRx = regexp.MustCompile(`// .*DO NOT EDIT\.`)

func isGenerated(fset *token.FileSet, file *ast.File) bool {
 for _, commentGroup := range file.Comments {
 for _, comment := range commentGroup.List {
 if matched := generatedRx.MatchString(comment.Text); !matched {
 continue
 }
 // Check if comment is at the beginning of the line in source.
 if pos := fset.Position(comment.Slash); pos.Column == 1 {
 return true
 }
 }
 }
 return false
}

```

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//go:generate ./gen-licenses.sh licenses.go  
package hooks

const licensesText = `  
-- github.com/BurntSushi/toml COPYING --

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```

```
//go:build go1.18\n// +build go1.18
```

```
package copyright
```

```
import (\n "os"\n "path/filepath"
```

```

"strings"
"testing"
)

func TestToolsCopyright(t *testing.T) {
 cwd, err := os.Getwd()
 if err != nil {
 t.Fatal(err)
 }
 tools := filepath.Dir(cwd)
 if !strings.HasSuffix(filepath.Base(tools), "tools") {
 t.Fatalf("current working directory is %s, expected tools", tools)
 }
 files, err := checkCopyright(tools)
 if err != nil {
 t.Fatal(err)
 }
 if len(files) > 0 {
 t.Errorf("The following files are missing copyright notices:\n%s", strings.Join(files, "\n"))
 }
}

```

# 1.628 ecj 3.26.0

## 1.628.1 Available under license :

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* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 358903 - Filter practically unimportant resource leak warnings
* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject
into account
* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions

```

- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- \* bug 386692 - Missing "unused" warning on "autowired" fields
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
- \* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource

\*\*\*\*\*/

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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/TypeIds.java

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jar/org/eclipse/jdt/internal/compiler/env/IBinaryModule.java
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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFormatException.java
- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/ConflictedParser.java
- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/DiagnoseParser.java
- \*
- /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedTypeReference.java
- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/TerminalTokens.java
- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/core/compiler/CategorizedProblem.java
- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredStatement.java

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- \* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
- \* Jesper Steen Moeller - Contribution for bug 406973 - [compiler] Parse MethodParameters attribute
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 407191 - [1.8] Binary access support for type annotations

\*\*\*\*\*

Found

in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfo.java

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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/flow/LabelFlowContext.java

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* Bug 328281 - visibility leaks not detected when analyzing unused field in private class

\* Bug 300576 - NPE Computing type hierarchy when compliance doesn't match libraries

\* Bug 354536 - compiling package-info.java still depends on the order of compilation units

\* Bug 349326 - [1.7] new warning for missing try-with-resources

\* Bug

358903 - Filter practically unimportant resource leak warnings

- \* Bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class
- \* Bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
- \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
- \* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
- \* Bug 444024 - [1.8][compiler][null] Type mismatch error in annotation generics assignment which happens "sometimes"
- \* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com -

Contributions for

- \* Bug 415821 - [1.8][compiler] CLASS\_EXTENDS target type annotation missing for anonymous classes
- \* het@google.com - Bug 456986 - Bogus error when annotation processor generates annotation type
- \* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
- \* Bug 473178

\*\*\*\*\*/

Found in path(s):

- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/ClassScope.java

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\* bug 343713 - [compiler] bogus line number in constructor of inner class in 1.5 compliance

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor

\* bug 368546 - [compiler][resource] Avoid

remaining false positives found when compiling the Eclipse SDK

\* bug 383690 - [compiler] location of error re uninitialized final field should be aligned

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

- \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- \* bug 386692 - Missing "unused" warning on "autowired" fields

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ConstructorDeclaration.java  
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 \* Bug 440474 - [null] textual encoding of external null annotations

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/tool/JrtFileSystem.java  
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\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099

- [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

- \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
  - \* Bug 412076 - [compiler] @NonNullByDefault doesn't work for varargs parameter when in generic interface
  - \* Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations
  - \* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
  - \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
  - \* Bug 416175 - [1.8][compiler][null] NPE with a code snippet that used null annotations on wildcards
  - \* Bug 416174 - [1.8][compiler][null] Bogus name clash error with null annotations
  - \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
  - \* Bug 400874 - [1.8][compiler]
- Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
  - \* Bug 425278 - [1.8][compiler] Suspect error: The target type of this expression is not a well formed parameterized type due to bound(s) mismatch
  - \* Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType
  - \* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
  - \* Bug 426563 - [1.8] AIOOBE when method with error invoked with lambda expression as argument
  - \* Bug 426792 - [1.8][inference][impl] generify new type inference engine
  - \* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
  - \* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
  - \* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
  - \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
  - \* Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.
  - \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
  - \* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
  - \* Bug 390064 - [compiler][resource] Resource leak warning missing when extending parameterized class
  - \* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  - \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedTypeBinding.java  
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  - \* bug 349326 - [1.7] new warning for missing try-with-resources
  - \* bug 370930 - NonNull annotation not considered for enhanced for loops
  - \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
  - \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
  - \* bug 393719 - [compiler] inconsistent warnings
  - on iteration variables
  - \* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
  - \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch
  - \* Jesper S Moller - Contribution for
  - \* bug 401853 - Eclipse Java compiler creates invalid bytecode (java.lang.VerifyError)
  - \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \*\*\*\*\*/

Found in path(s):

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\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
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 * Stephan Herrmann - Contributions for
 * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 365519 - editorial cleanup after bug 186342 and bug 365387
 * Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
 * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
 * Bug 435570 - [1.8][null] @NonNullByDefault
 * illegally tries to affect "throws E"
 * Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this
 * location
 * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
 * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
 * Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly
 */
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/Argument.java  
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 * Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
 * Bug 473178
 */
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 * bug 185682 - Increment/decrement operators mark local variables as read
 * bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
 * bug 331649 - [compiler][null] consider null annotations for fields
 * bug 383368 - [compiler][null] syntactic null analysis for field references
 * bug 392384 - [1.8][compiler][null] Restore nullness
 * info from type annotations in class files
 * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 * Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
 * Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
 */
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/Reference.java

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\* Bug 440474 - [null] textual encoding of external null annotations

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* IBM Corporation - Fix for bug 328575
* het@google.com - Bug 415274 - Annotation processing throws a NPE in getElementAnnotatedWith()
*****/

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\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking  
\* Bug 415790  
- [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/WhileStatement.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ForStatement.java

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\* IBM Corporation - initial API and implementation  
\* Stephan Herrmann - contributions for  
\* bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/Compiler.java

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\* Stephan Herrmann - Contributions for  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 370639 - [compiler][resource] restore the default for resource leak warnings  
\* bug 265744 - Enum switch should warn about missing default  
\* bug 374605 - Unreasonable warning for enum-based switch statements  
\* bug 381443  
\* - [compiler][null] Allow parameter widening from @NonNull to unannotated  
\* Bug 441208 - [1.8][null] SuppressWarnings("null") does not suppress / marked Unnecessary  
\* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),  
Collection#remove(Object) et al.  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/impl/IrritantSet.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/ImplicitNullAnnotationVerifier.java

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\* Stephan Herrmann - Contributions for  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 365519 - editorial cleanup after bug 186342 and bug 365387  
\* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/MemberValuePair.java

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\* BEA - Patch for bug 172743  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/AbstractAnnotationProcessorManager.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/ReferenceBindingSetWrapper.java  
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* wharley@bea.com - initial API and implementation
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jar/org/eclipse/jdt/internal/compiler/apt/model/IElementInfo.java  
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* Stephan Herrmann - Contribution for
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
```

- \* Bug 441797 - [1.8] synchronize type annotations on capture and its wildcard
  - \* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
  - \* Bug 456924 - StackOverflowError during compilation
  - \* Bug 462790 - [null] NPE in Expression.computeConversion()
  - \* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  - \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/CaptureBinding.java

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\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 388795 - [compiler] detection of name clash depends on order of super interfaces

\* bug 388739 - [1.8][compiler] consider default methods when detecting whether

a class needs to be declared abstract

\* bug 390883 - [1.8][compiler] Unable to override default method

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 401246 - [1.8][compiler] abstract class method should now trump conflicting default methods

\* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method

\* bug 403867 - [1.8][compiler] Suspect error about duplicate default methods

\* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

\* bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795

\* bug 409473 - [compiler] JDT cannot compile against JRE 1.8

\* Bug 420080 - [1.8] Overridden Default method is reported as duplicated

\* Bug 404690 - [1.8][compiler] revisit bridge generation after VM bug is fixed

\* Bug 410325 - [1.7][compiler] Generified method override different between javac and eclipse compiler

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.

\* Bug 440773 - [1.8][null]DefaultLocation.RETURN\_TYPE erroneously affects method parameters in

@NonNullByDefault

- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 446442 - [1.8] merge null annotations from super methods

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/MethodVerifier15.java

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\* Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 317046 - Exception during debugging when hover mouse over a field

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

- \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
- \* Bug 424712 - [1.8][compiler] NPE in TypeBinding.isProvablyDistinctTypeArgument
- \* Bug 426792 - [1.8][inference][impl] generify new type inference engine
- \* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
- \* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
- \* Bug 427626 - [1.8] StackOverflow while typing new ArrayList<String>().toArray( and asking for code completion
- \* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
- \* Bug 435962 - [RC2] StackOverFlowError when building
- \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- \* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
- \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
- \* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
- \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \*

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/TypeBinding.java

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\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 265744 - Enum switch should warn about missing default

\* bug 374605 - Unreasonable warning for enum-based switch statements

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\*\*\*\*\*

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/SwitchStatement.java

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* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource
* bug 358903 - Filter practically unimportant resource leak warnings
* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
* Bug 400874 - [1.8][compiler] Inference infrastructure
 should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
* Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression
* Bug 427411 - [1.8][generics] JDT reports type mismatch when using method that returns generic type
* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
* Bug 435962 - [RC2] StackOverflowError when building
* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
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jar/org/eclipse/jdt/internal/compiler/lookup/WildcardBinding.java

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\*  
\* Jesper S Moller - Contributions for  
\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
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\* Stephan Herrmann - Contribution for  
\* Bug 440687 - [compiler][batch][null] improve command line option for external annotations  
\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178

\*\*\*\*\*/

Found in path(s):

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\* tyeung@bea.com - initial API and implementation  
\* olivier\_thomann@ca.ibm.com - add hashCode() and equals(..) methods

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/EnumConstantSignature.java

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\* wharley@bea.com - derived base class from BatchMessengerImpl

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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/CompactConstructorDeclaration.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/TextBlock.java

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* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
* Bug 473178
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jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintFormula.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintExceptionFormula.java

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* Perry James - nullStatus method improvement (165346)
* Stephan Herrmann - Contribution for
* bug 383368 - [compiler][null] syntactic null analysis for field references
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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/antadapter/messages.properties
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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jar/org/eclipse/jdt/internal/compiler/batch/messages.properties  
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\* Frits Jalvingh - fix for bug 533830.

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* Stephan Herrmann - Contribution for
* Bug 432977 - [1.8][null] Incorrect 'type is not visible' compiler error
* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
*****/
/* Taking the binding of QTR as an example, there could be different annotatable components, but we come in a
with a single binding, e.g:

@T Z; type => Z annotations => [[@T]]
 @T Y.@T Z type => Z annotations => [[@T][@T]]
 @T X.@T Y.@T Z type => Z annotations => [[@T][@T][@T]]
 java.lang.@T X.@T Y.@T Z type => Z annotations => [[][@T][@T][@T]]
 in all these cases the incoming type binding is for Z, but annotations are for different levels. We need to align their
layout for proper attribution.
*/

```

```

Found in path(s):
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/AnnotatableTypeSystem.java
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* IBM Corporation - initial API and implementation
* Erling Ellingsen - patch for bug 125570
* Stephan Herrmann - Contribution for
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
* Sebastian Zarnekow - Contribution for
* Bug 544921 - [performance] Poor performance with large source files
*****/

```

Found

in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/CompilationUnitScope.java  
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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 292478 - Report potentially null across variable assignment

\* bug 335093 - [compiler][null] minimal hook for future null annotation support

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 430150 - [1.8][null] stricter checking against type variables

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Jesper S Moller - Contributions for

\* Bug 378674 - "The method can be declared as static" is wrong

\* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

\* Bug 529556 - [18.3] Add content assist support for 'var' as a type

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

\* Bug 426616 - [1.8][compiler] Type Annotations, multiple problems

\*\*\*\*\*

Found in path(s):

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jar/org/eclipse/jdt/internal/compiler/ast/LocalDeclaration.java

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\* Stephan Herrmann - Contributions for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 382353 - [1.8][compiler] Implementation property modifiers should

be accepted on default methods.

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this

location

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 378674 - "The method can be declared as static" is wrong

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* Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
*****/

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* bug 186342 - [compiler][null] Using annotations for null checking
* bug 367203 - [compiler][null] detect assigning null to nonnull argument
* bug 365519 - editorial cleanup after bug 186342 and bug 365387
* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
* bug 365531 - [compiler][null] investigate alternative strategy for internally
encoding nullness defaults
* bug 388281 - [compiler][null] inheritance of null annotations as an option
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this
location
* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
* Bug 443347 - [1.8][null]
@NonNullByDefault should not affect constructor arguments of an anonymous instantiation
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
* Bug 456584 - [1.8][null] Bogus warning for return type variable's @NonNull annotation being 'redundant'
* Bug 471611 - Error on hover on call to generic method with null annotation

```

\* Jesper Steen Moller - Contributions for  
\* Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing  
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\* Stephan Herrmann - Contribution for bug 295551

\* Jesper S Moller - Contributions for

\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

\* Frits Jalvingh - contributions for bug 533830.

\* Red Hat Inc. - add module-info Javadoc support

\*\*\*\*\*/

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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/BreakStatement.java

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\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

\* Bug 384687 - [1.8] Wildcard type arguments should be rejected for lambda and reference expressions

\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)

\* Stephan Herrmann - Contribution for

\* bug 402028 - [1.8][compiler] null analysis for reference

expressions

- \* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super via I.super.m() syntax
- \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- \* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
- \* Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to

Files::walk

- \* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- \* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
- \* Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
- \* Bug 427438

- [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- \* Bug 428264 - [1.8] method reference of generic class causes problems (wrong inference result or NPE)
- \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- \* Bug 426537 - [1.8][inference] Eclipse compiler thinks I<? super J> is compatible with I<J<?>> - raw type J

involved

- \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- \* Bug 435689 - [1.8][inference] Type inference not occurring with lambda expression and method reference
- \* Bug 438383 - [1.8][null] Bogus warning: Null type safety at method return type
- \* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
- \* Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- \* Bug 438945 - [1.8] NullPointerException

InferenceContext18.checkExpression in java 8 with generics, primitives, and overloading

- \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- \* Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
- \* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
- \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- \* Bug 470542 - NullPointerException in ReferenceExpression.isPotentiallyCompatibleWith (962)
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contribution for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's

work)

\*\*\*\*\*/

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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ReferenceExpression.java

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jar/org/eclipse/jdt/internal/compiler/env/IModulePathEntry.java
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* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
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```

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in path(s):
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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/JavadocModuleReference.java

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\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 331649 - [compiler][null] consider null annotations for fields  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions  
\* bug 403086 - [compiler][null] include the effect of 'assert'  
in syntactic null analysis for fields  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/EqualExpression.java

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* Contributors:
* IBM Corporation - initial API and implementation
* Stephan Herrmann - Contribution for
* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
*****/

```

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in path(s):
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/flow/ExceptionHandlingFlowContext.java
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* Contributors:
* IBM Corporation - initial API and implementation
* Stephan Herrmann - Contributions for
* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
* bug 401030 - [1.8][null] Null analysis support for lambda methods.
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
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in path(s):
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/LocalTypeBinding.java
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jar/org/eclipse/jdt/internal/compiler/ast/IJavadocTypeReference.java  
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* Contributors:
* IBM Corporation - initial API and implementation
* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contribution for bug 185682 - Increment/decrement operators
mark local variables as read
*****/

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* Bug 407191 - [1.8] Binary access support for type annotations
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```
*/opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/env/IBinaryField.java
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* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365519 - editorial cleanup after bug 186342 and bug 365387
* bug 358903 - Filter practically unimportant resource leak warnings
* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
* bug 388281 - [compiler][null] inheritance of null annotations as an option
* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account
* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
* Bug
400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
* Bug 426792 - [1.8][inference][impl] generify new type inference engine
* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
* Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
```

- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
  - \* Bug 431581 - Eclipse compiles what it should not
  - \* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 446442 - [1.8] merge null annotations from  
super methods
  - \* Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error  
messages
  - \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),  
Collection#remove(Object) et al.
  - \* Jesper S Moller - Contributions for
  - \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
  - \* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
  - \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
  - \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
  - \* bug 386692 - Missing "unused" warning on "autowired" fields
  - \* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
  - \* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown  
when using MethodSource
  - \* Sebastian Zarnekow - Contributions  
for
  - \* bug 544921 - [performance] Poor performance with large source files
- \*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
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\* Stephan Herrmann - Contribution for  
\* Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda  
\*\*\*\*\*/

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jar/org/eclipse/jdt/internal/compiler/ast/Initializer.java  
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jar/org/eclipse/jdt/internal/compiler/apt/dispatch/HookedJavaFileObject.java  
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* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
* bug 370639 - [compiler][resource] restore the default for resource leak warnings
* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
* Bug 417758 - [1.8][null] Null safety compromise during array creation.
* Bug 427438 - [1.8][compiler] NPE at
 org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)
*****/

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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/ArrayInitializer.java
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* Contributors:
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* Stephan Herrmann - Contribution for
* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
* Bug 416174 - [1.8][compiler][null] Bogus name clash error with null annotations
* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
* Bug 425783 - An
 internal error occurred during: "Requesting Java AST from selection". java.lang.StackOverflowError
* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*****/

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for  
\* bug 185682 - Increment/decrement operators mark local variables as read  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 365519 - editorial cleanup after bug 186342 and bug 365387  
\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK  
\* bug 345305 - [compiler][null]  
Compiler misidentifies a case of "variable can only be null"  
\* Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first field  
\* Bug 458396 - NPE in CodeStream.invoke()  
\* Jesper S Moller - Contributions for  
\* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment  
\* bug 331649 - [compiler][null] consider null annotations for fields  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check  
\* Jesper S Moller <jesper@selskabet.org> - Contributions for  
\* bug 378674 - "The method can be declared as static" is wrong

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedNameReference.java  
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- \* Stephan Herrmann - Contributions for
  - \* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
  - \* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
  - \* bug 349326 - [1.7] new warning for missing try-with-resources
  - \* bug 186342 - [compiler][null] Using annotations for null checking
  - \* bug 358903 - Filter practically unimportant resource
- leak warnings
  - \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
  - \* bug 370639 - [compiler][resource] restore the default for resource leak warnings
  - \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
  - \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
  - \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- checking
  - \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
  - \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
  - \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
  - \* Bug 424727 - [compiler][null] NullPointerException in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)
  - \* Bug 424710 - [1.8][compiler] CCE in SimpleNameReference.localVariableBinding
  - \* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
  - \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
  - \* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
  - \* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
  - \* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
  - \* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
  - \* Bug 424930 - [1.8][compiler] Regression: "Cannot infer type arguments" error from compiler.
  - \* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
  - \* Bug 427438 - [1.8][compiler] NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
  - \* Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
  - \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
  - \* Bug 429203 - [1.8][compiler] NPE in AllocationExpression.binding
  - \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
  - \* Bug 434297 - [1.8] NPE in LamdaExpression.analyseCode with lamda expression nested in a conditional expression
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
- Jesper S Moller <jesper@selskabet.org> - Contributions for
  - \* bug 378674 - "The method can be declared as static" is wrong
- Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 383624 - [1.8][compiler] Revive

code generation support for type annotations (from Olivier's work)  
\* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic  
bridge method  
\* Till Brychcy - Contributions for  
\* bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File  
\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178

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\* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

\* bug 186342 - [compiler][null] Using annotations for null checking



- \* bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor
- \* bug 370639 - [compiler][resource] restore the default for resource leak warnings
- \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
- \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
- \* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
- \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- \* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- \* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- \* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- \* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- \* Bug 427438 - [1.8][compiler]
- NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

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- \* Stephan Herrmann - Contributions for
- \* bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis
- \* bug 186342 - [compiler][null] Using annotations for null checking
- \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
- \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
- \* bug 345305 - [compiler][null]

Compiler misidentifies a case of "variable can only be null"

- \* bug 383368 - [compiler][null] syntactic null analysis for field references
  - \* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
  - \* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
  - \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
  - \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch
  - \* Bug 446691 - [1.8][null][compiler] NullPointerException in SingleNameReference.analyseCode
- \*\*\*\*\*/

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\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370639 - [compiler][resource]

restore the default for resource leak warnings

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 379784 - [compiler] "Method can be static" is not getting reported

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop

\* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment

\* Bug 444964 - [1.7+][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream - return inside for loop)

\* Bug 396575 - [compiler][resources] Incorrect Errors/Warnings check for potential resource leak when surrounding with try-catch

\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 378674 - "The method can be declared as static" is wrong  
\* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/BlockScope.java  
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\* Stefan Xenos (Google) - Initial implementation  
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\* Contributors:  
\* Walter Harley - initial API and implementation  
\* IBM Corporation - fix for 342598, 382590  
\* Jean-Marie Henaff <jmhenaff@google.com> (Google) - Bug 481555  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/apt/model/TypesImpl.java

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 185682 - Increment/decrement operators mark local variables as read
* bug 331649 - [compiler][null] consider null annotations for fields
* bug 383368 - [compiler][null] syntactic null analysis for field references
* Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException: info cannot be null
* Bug 400874 - [1.8][compiler]
* Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 458396 - NPE in CodeStream.invoke()
* Jesper S Moller - Contributions for
* Bug 378674 - "The method can be declared as static" is wrong
* Robert Roth <robert.roth.off@gmail.com> - Contributions for
* Bug 361039 - NPE in FieldReference.optimizedBooleanConstant
*****/

```

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```

* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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* Stephan Herrmann - Contribution for
* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
*****/

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\* Bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)

\* Bug 388630 - @NonNull diagnostics at line 0

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

\* Bug 424727 - [compiler][null] NullPointerException

in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)

\* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?

\* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class

\* Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for

\* Bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource

\* Bug 546084 - Using Junit 5s MethodSource leads to ClassCastException

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/TypeDeclaration.java

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- \* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
- \* Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression
- \* Bug 426542 - [1.8] Most specific method not picked when one method has intersection type as type parameter
- \* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- \* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
- \* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/HashSetOfInt.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/core/compiler/InvalidInputException.java  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/BranchLabel.java  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/VerificationTypeInfo.java  
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* Bug 412149: [1.8][compiler] Emit repeated annotations into the designated container
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* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
```



- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
  - \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
  - \* Bug 417758 - [1.8][null] Null safety compromise during array creation.
  - \* Bug  
427163 - [1.8][null] bogus error "Contradictory null specification" on varargs
  - \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
  - \* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array
- \*\*\*\*\*/

Found in path(s):

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  - \* bug 185682 - Increment/decrement operators mark local variables as read
  - \* bug 331649 - [compiler][null] consider null annotations for fields
  - \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
  - \* Bug 447088 - [null] @Nullable on fully qualified field type is ignored
  - \* Bug 435805 - [1.8][compiler][null]  
Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 458396 - NPE in CodeStream.invoke()
  - \* Bug 446217 - [null] @NonNullByDefault in package-info.java causes bogus "null type safety" warning
  - \* Till Brychcy - Contribution for
  - \* bug 467094 - [1.8][null] TYPE\_USE NullAnnotations of array contents are applied to field.
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/FieldBinding.java

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* Bug 407191 - [1.8] Binary access support for type annotations
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* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
* Bug 473178
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* bug 411098 - [compiler][resource] Invalid Resource Leak Warning using ternary operator inside try-with-resource
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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/util/SimpleSetOfCharArray.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/SortedCharArrays.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/SortedSimpleNameVector.java  
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\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression  
\* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment  
\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)  
\* Stephan Herrmann - Contribution for  
\* bug 401030 - [1.8][null] Null analysis support for lambda methods.  
\* Bug 392099  
- [1.8][compiler][null] Apply null annotation on types for null analysis  
\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
\* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"  
\* Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType  
\* Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression  
\* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation  
\* Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType  
\* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error  
\* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.  
\* Bug 426563 - [1.8] AIOOBE when method with error  
invoked with lambda expression as argument  
\* Bug 420525 - [1.8] [compiler] Incorrect error "The type Integer does not define sum(Object, Object) that is applicable here"  
\* Bug 427438 - [1.8][compiler] NPE at  
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)  
\* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>  
\* Bug 428786 - [1.8][compiler] Inference needs to compute the "ground target type" when reducing a lambda

compatibility constraint

- \* Bug 428980 - [1.8][null] simple expression as lambda body doesn't leverage null annotation on argument
  - \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
  - \* Bug 432110 - [1.8][compiler] nested lambda type incorrectly inferred vs javac
  - \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
  - \* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
  - \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  - \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Bug 463728 - [1.8][compiler][inference] Ternary operator in lambda derives wrong type
  - \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
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\* IBM Corporation - fix for 342598  
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\* Bug 427438 - [1.8][compiler] NPE at  
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\* IBM Corporation - fix for bug 342757  
\* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfoWithParameterAnnotations.java  
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\* David Foerster - patch for toUpperCase as described in [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=153125](https://bugs.eclipse.org/bugs/show_bug.cgi?id=153125)  
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\* Stephan Herrmann - Contributions for  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug 365519 - editorial cleanup after bug 186342 and bug 365387  
\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults  
\*\*\*\*\*/

Found in path(s):

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\* Jesper S Moller - Contributions for

\* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

\* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile

\* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)

\* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com

- Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

\* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

\* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped

\* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator

\* Bug 415470 - [1.8][compiler] Type annotations on class declaration go vanishing

\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

\* Bug 434556 - Broken class file generated for incorrect annotation usage

\* Bug 442416

- \$deserializeLambda\$ missing cases for nested lambdas

\* Stephan Herrmann - Contribution for

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Olivier Tardieu tardieu@us.ibm.com - Contributions for

\* Bug 442416 - \$deserializeLambda\$ missing cases for nested lambdas

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\*/

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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ICompilerRequestor.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/env/AccessRestriction.java
*
/opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/parser/diagnose/RangeUtil.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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jar/org/eclipse/jdt/internal/compiler/ast/OperatorIds.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/env/AccessRule.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/FalseLiteral.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileStruct.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/env/IDependent.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/ProblemBinding.java  
\*  
/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfIntValues.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/util/SimpleLookupTable.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/env/ISourceImport.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/problem/AbortMethod.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/problem/ShouldNotImplement.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredImport.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfType.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/SubRoutineStatement.java  
\*  
/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/codegen/DoubleCache.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/InnerEmulationDependency.java  
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jar/org/eclipse/jdt/internal/compiler/ast/JavadocReturnStatement.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilationUnit.java  
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jar/org/eclipse/jdt/internal/compiler/parser/NLSTag.java  
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jar/org/eclipse/jdt/internal/compiler/ast/PrefixExpression.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/IDebugRequestor.java  
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jar/org/eclipse/jdt/internal/compiler/ast/TrueLiteral.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/util/SimpleSet.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/CharLiteral.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/antadapter/AntAdapterMessages.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/problem/AbortType.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToInt.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilation.java  
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 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticFieldBinding.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfInt.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/FloatCache.java  
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 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ExtendedStringLiteral.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/Label.java  
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 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/InnerClassInfo.java  
 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/PostfixExpression.java  
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 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfLong.java  
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 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/JavadocSingleNameReference.java  
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 \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/ObjectCache.java  
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jar/org/eclipse/jdt/internal/compiler/codegen/LongCache.java  
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\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

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- \* bug 331649 - [compiler][null] consider null annotations for fields
  - \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  - \* Bug 458396 - NPE in CodeStream.invoke()
- \*\*\*\*\*/

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  - \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
  - \* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile
  - \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/NumberLiteral.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/LongLiteral.java

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/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/flow/InitializationFlowContext.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/FloatLiteral.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/IntLiteralMinValue.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/InferenceContext.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/LongLiteralMinValue.java

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jar/org/eclipse/jdt/internal/compiler/lookup/TypeBindingVisitor.java

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\* bug 332637 - Dead Code detection removing code that isn't dead

\* bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points

\* bug 358903 - Filter practically unimportant resource

leak warnings

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 401088 - [compiler][null] Wrong warning "Redundant null check" inside nested try statement

\* bug 401092 - [compiler][null] Wrong warning "Redundant null check" in outer catch of nested try

\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

\* bug 384380 - False positive on a ?? Potential null pointer access ?? after a continue

\* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch

\* Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop

\* Bug 444964 - [1.7+][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream - return inside for loop)

\* Jesper Steen Moller -

Contributions for

\* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\*

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/ast/TryStatement.java

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* Stephan Herrmann - Contribution for
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\*\*\*\*\*/

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jar/org/eclipse/jdt/internal/compiler/ast/CombinedBinaryExpression.java  
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\* Nick Teryaev - fix for bug ([https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=40752](https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752))  
\* Stephan Herrmann - Contributions for  
\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.  
\* bug  
383368 - [compiler][null] syntactic null analysis for field references  
\* bug 401017 - [compiler][null] casted reference to @Nullable field lacks a warning  
\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic  
\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations  
\* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking  
\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 430150 - [1.8][null] stricter checking against type variables

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style  
null annotations

\* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

\* Andy Clement (GoPivotal, Inc) [aclement@gopivotal.com](mailto:aclement@gopivotal.com) - Contributions for

\* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/ast/CastExpression.java

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\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 367203 - [compiler][null] detect assigning null to nonnull argument

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 382353 - [1.8][compiler] Implementation property modifiers

should be accepted on default methods.

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 401030 - [1.8][null] Null analysis support for lambda methods.

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize

declaration style null annotations

\* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

/\*\*

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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/ElementValuePair.java
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\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults  
\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
\* Jesper Steen Moller - Contributions for  
\* Bug 412150 [1.8] [compiler]  
Enable reflected parameter names during annotation processing  
\*\*\*\*\*/

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\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

- \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
  - \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
  - \* bug 385626 - @NonNull fails across loop boundaries
  - \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
  - \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
  - \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Jesper S Moller - Contributions for
  - \* bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops
- \*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/flow/FinallyFlowContext.java

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\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

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* IBM Corporation - fix for 342470
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* IBM Corporation - Java 8 support
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```

- \* bug 332637 - Dead Code detection removing code that isn't dead
  - \* bug 391517 - java.lang.VerifyError on code that runs correctly in Eclipse 3.7 and eclipse 3.6
  - \* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
- \*\*\*\*\*/

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\* bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug

392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations

\* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 416190 - [1.8][null]

detect incompatible overrides due to null type annotations

\* Bug 424624 - [1.8][null] if a static-object with annotation @NonNull is used, a warning is shown

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type

\* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)

\* Bug 457079 - Regression: type inference

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation



\* Bug 455180 - IllegalStateException in AnnotableTypeSystem.getRawType  
\* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file  
\*\*\*\*\*

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\* Bug 458396 - NPE in CodeStream.invoke()  
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\* bug 292478 - Report potentially null across variable assignment

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 383368 - [compiler][null] syntactic null analysis for field

references

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred

checking

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 426792 - [1.8][inference][impl] generify new type inference engine

\* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"

\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 426996 - [1.8][inference]

try to avoid method Expression.unresolve()?

\* Bug 428274 - [1.8] [compiler] Cannot cast from Number to double

\* Bug 428352 - [1.8][compiler] Resolution errors don't always surface

\* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression

\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for

\* Bug 473178

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`/opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/AbstractCommentParser.java`

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jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BaseProcessingEnvImpl.java  
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\* Contributors:  
\* wharley@bea.com - initial API and implementation  
\* (originally in org.eclipse.jdt.apt.core)  
\* IBM Corporation - Bug 513790

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/apt/util/ManyToMany.java

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\* Contributors:

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 185682 - Increment/decrement operators mark local variables as read

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 331649 - [compiler][null] consider

null annotations for fields

\* Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis

\* Jesper S Møller <jesper@selskabet.org> - Contributions for

\* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

\*

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/LocalVariableBinding.java

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\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370639 - [compiler][resource] restore the

default for resource leak warnings

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 416267 - NPE in QualifiedAllocationExpression.resolveType

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 424415 - [1.8][compiler] Eventual

resolution of ReferenceExpression is not seen to be happening.

\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Jesper S Moller <jesper@selskabet.org> - Contributions for

\* bug 378674 - "The method can be declared as static" is wrong

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

\* Till Brychcy - Contributions for  
\* bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/QualifiedAllocationExpression.java  
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\* Contributors:

\* IBM Corporation - initial API and implementation  
\* Benjamin Muskalla - Contribution for bug 239066  
\* Stephan Herrmann - Contributions for  
\* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used  
\* bug 295551 - Add option to automatically promote all warnings to errors  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 186342 - [compiler][null] Using annotations for null checking  
\* bug  
370639 - [compiler][resource] restore the default for resource leak warnings  
\* bug 366063 - Compiler should not add synthetic @NonNull annotations  
\* bug 374605 - Unreasonable warning for enum-based switch statements  
\* bug 388281 - [compiler][null] inheritance of null annotations as an option  
\* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations  
\* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),  
Collection#remove(Object) et al.  
\* Jesper Steen Moller - Contributions for  
\* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code  
\* bug 407297 - [1.8][compiler] Control generation of parameter names by option

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/impl/CompilerOptions.java  
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\* Stephan Herrmann - Contributions for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 364890 - BinaryTypeBinding should use char constants from Util

\* bug 365387 - [compiler][null] bug 186342: Issues to follow up post review and verification.

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug

365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 388800 - [1.8][compiler] detect default methods in class files

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

\* Bug 392245 - [1.8][compiler][null] Define whether

/ how @NonNullByDefault applies to TYPE\_USE locations

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.

\* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

\* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type

\* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)

\* Bug 454182 - Internal compiler error when using

1.8 compliance for simple project

\* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file

\* Bug 447661 - [1.8][null] Incorrect 'expression needs unchecked conversion' warning

\* Jesper Steen Moller - Contributions for

\* Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing

\* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable

\* Sebastian Zarnekow - Contributions for



- \* bug 544921 - [performance] Poor performance with large source files
- \* Alexander Lehmann - Contributions for
- \* bug 566258 - Intermittent NPE in APT RoundDispatcher

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/BinaryTypeBinding.java

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\* Contributors:

\* IBM Corporation - initial API and implementation  
 \* Luiz-Otavio Zorzella <zorzella at gmail dot com> - Improve CamelCase algorithm  
 \* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions  
 \* Stefan Xenos <sxenos@gmail.com> (Google) - Bug 501283 - Lots of hash collisions during indexing

\*\*\*\*\*/

Found in path(s):

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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\*   Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\*   Bug 473178  
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\* wharley@bea.com - initial API and implementation

\* IBM Corporation - fix for 342598

\* IBM Corporation - Java 8 support

\* het@google.com - Bug 427943 - The method

org.eclipse.jdt.internal.compiler.apt.model.Factory.getPrimitiveType does not throw IllegalArgumentException

\*\*\*\*\*/

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 292478 - Report potentially null across variable assignment

\* bug 332637 - Dead Code detection removing code that isn't dead

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement

\* Bug 421035 - [resource]

False alarm of resource leak warning when casting a closeable in its assignment

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\* Igor Fedorenko - extracted from ElementsImpl

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\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug 422796 - [compiler][null] boxed boolean reported as potentially null after

null test in lazy disjunction

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\* Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 133125 - [compiler][null] need to report the null status of expressions and analyze them simultaneously

\* bug 292478 - Report potentially null across variable assignment

\* bug 324178 - [null] ConditionalExpression.nullStatus(..) doesn't take into account the analysis of condition itself

\* bug 354554 - [null] conditional with redundant condition

yields weak error message

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

\* Bug 426078 - [1.8] VerifyError when conditional expression passed as an argument

\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions

\* Bug 428352 - [1.8][compiler] Resolution errors don't always surface

\* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

\*\*\*\*\*  
\*/

Found in path(s):

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- \* Stephan Herrmann - Contribution for
- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- \* bug 383368 - [compiler][null] syntactic null analysis for field references
- \* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
- \* Jesper S Moller - Contributions for
- \* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
- \*\*\*\*\*

Found in path(s):

- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/CompoundAssignment.java

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- \* Jesper S Moller - Contributions for
- \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- \* Stephan Herrmann - Contribution for
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 423504 - [1.8] Implement "18.5.3

Functional Interface Parameterization Inference"

- \* Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType
- \* Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression
- \* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
- \* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
- \* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface

\* Bug 446442 - [1.8] merge null annotations from super methods  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas  
\*\*\*\*\*/

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 328281 - visibility leaks not detected when analyzing unused field in private class



\* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/ExtraCompilerModifiers.java

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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/AnnotationContext.java

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* Contributors:
* Stephan Herrmann - initial API and implementation
* Till Brychcy - Contributions for
* Bug 467482 - TYPE_USE null annotations: Incorrect "Redundant null check"-warning
*/
```

Found in path(s):  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/NullAnnotationMatching.java  
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* Contributors:
* tyeung@bea.com - initial API and implementation
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 407191 - [1.8] Binary access support for type annotations
*/
```

Found in path(s):  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/FieldInfoWithAnnotation.java  
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\* Stephan Herrmann - Contribution for  
\* bug 331649 - [compiler][null] consider null annotations for fields  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* Jesper S Moller - Contributions for  
\* Bug 378674 - "The method can be declared as static" is wrong  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ThisReference.java

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\* Bug 407191 - [1.8] Binary access support for type annotations  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/IBinaryTypeAnnotation.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/FieldInfoWithTypeAnnotation.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/PackageExportImpl.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/UsesStatement.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/OpensStatement.java

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\* Contributors:  
\* wharley@bea.com - initial API and implementation  
\* IBM Corporation - Java 8 support  
\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/apt/model/NoTypeImpl.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredElement.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredUnit.java

\*

/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredField.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/AnnotationMethodDeclaration.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathLocation.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/ICompilationUnit.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/NameEnvironmentAnswer.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ClassLiteralAccess.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/INameEnvironment.java

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\* bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax  
\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super  
\* Jesper S Moller <jesper@selskabet.org> - Contributions for  
\* bug 378674 - "The method can be declared as static" is wrong  
\*\*\*\*\*/

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in path(s):  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/QualifiedThisReference.java  
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\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression  
\* Stephan Herrmann - Contribution for  
\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super  
\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
\* Bug 416182 - [1.8][compiler][null]  
Contradictory null annotations not rejected  
\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/ProblemReasons.java

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* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
* bug 331649 - [compiler][null] consider null annotations for fields
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 415043 - [1.8][null] Follow-up re null type annotations
after bug 392099
* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* Bug 415850 - [1.8] Ensure RunJDTCORETests can cope with null annotations enabled
* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
* Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location
* Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE_USE locations
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
```

\* Bug 469584 - ClassCastException in Annotation.detectStandardAnnotation (320)  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)  
\* Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references  
\* Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped  
\* Bug 414384 - [1.8] type annotation on abbreviated inner class is not marked as inner type  
\* Jesper S Moller <jesper@selskabet.org> - Contributions for  
\* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable  
\* Bug 412151 - [1.8][compiler] Check repeating annotation's collection type  
\* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container  
\* Bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains  
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\* Carmi Grushko - Bug 465048 - Binding is null for class literals in synchronized blocks  
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* Karen Moore - fix for https://bugs.eclipse.org/bugs/show_bug.cgi?id=207411
* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 185682 - Increment/decrement operators mark local variables as read
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365519 - editorial cleanup after
bug 186342 and bug 365387
* bug 374605 - Unreasonable warning for enum-based switch statements
* bug 384870 - [compiler] @Deprecated annotation not detected if preceded by other annotation
* bug 393719 - [compiler] inconsistent warnings on iteration variables
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 424742 - [1.8] NPE in LambdaExpression.isCompatibleWith
* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
* Bug 426366
- [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
* Bug 427282 - [1.8][compiler] AIOOB (-1) at
org.eclipse.jdt.internal.compiler.ClassFile.traverse(ClassFile.java:6209)
* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
* Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varargs
* Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8
* Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables
* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
* Bug 446442 - [1.8] merge null annotations from super methods
* Bug 437072 - [compiler][null] Null analysis emits
possibly incorrect warning for new int[][] despite @NonNullByDefault
* Jesper S Moller - Contributions for
* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
* bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
* bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
* Till Brychcy - Contributions for
* bug 467094 - [1.8][null] TYPE_USE NullAnnotations of array contents are applied to field.
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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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jar/org/eclipse/jdt/internal/compiler/ast/ASTNode.java

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\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365835 - [compiler][null] inconsistent error reporting.

\* bug 365519 - editorial cleanup after bug 186342 and bug 365387

\* bug 358903 - Filter practically unimportant resource leak warnings

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370639 - [compiler][resource] restore the default for resource leak warnings

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* bug 401030 - [1.8][null] Null analysis support for lambda

methods.

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

\* Bug 417758 - [1.8][null] Null safety compromise during array creation.

\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 430150 - [1.8][null] stricter checking against type variables

\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

\* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Bug 455723 - Nonnull argument not correctly inferred in loop

\* Jesper S Moller - Contributions

for

\* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompilerRequestor.java

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* Stephan Herrmann - Contributions for
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
* Bug 417295 - [1.8][null] Massage type annotated
* null analysis to gel well with deep encoded type bindings.
* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*****/

```

Found in path(s):

```

* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedMethodBinding.java

```

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* Contributors:
* wharley@bea.com - initial API and implementation
*****/

```

Found in path(s):

```

* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchProcessingEnvImpl.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/apt/dispatch/RoundDispatcher.java

```

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\* Stephan Herrmann - Contributions for

\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields

\* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\* Bug

422796 - [compiler][null] boxed boolean reported as potentially null after null test in lazy disjunction

\*\*\*\*\*

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/ast/OR\_OR\_Expression.java

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\* Stephan Herrmann - Contributions for

\* bug 335093 - [compiler][null] minimal hook for future null annotation support

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365983 - [compiler][null] AIOOB with null annotation analysis and varargs

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 370930 - NonNull annotation not considered for enhanced for loops

\* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

- \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- \* bug 331649 - [compiler][null] consider null annotations for fields
- \* bug 383368 - [compiler][null] syntactic null analysis for field references
- \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- \* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
- \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- \* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
- \* Bug 417758 - [1.8][null] Null safety compromise during array creation.
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- \* Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions
- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- \* Bug 455723 - Nonnull argument not correctly inferred in loop
- \* Andy Clement - Contributions for
  - \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
  - \* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/Statement.java

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\* tyeung@bea.com - initial API and implementation

\* olivier\_thomann@ca.ibm.com - add hashCode() and equals(..) methods

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationInfo.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/ElementValuePairInfo.java  
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\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 383368 - [compiler][null] syntactic null analysis for field references

\* bug 402993 - [null] Follow up

of bug 401088: Missing warning about redundant null check

\* Bug 440282 - [resource] Resource leak detection false negative with empty finally block

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/Block.java  
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jar/org/eclipse/jdt/internal/compiler/apt/dispatch/IProcessorProvider.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/apt/model/NameImpl.java

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- \* bug 349326 - [1.7] new warning for missing try-with-resources
- \* bug 358903 - Filter practically unimportant resource leak warnings
- \* bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly?
- \* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account
- \* bug 382069 - [null] Make  
the null analysis consider JUnit's assertNotNull similarly to assertions
- \* Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly
- \* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
- \* Bug 425183 - [1.8][inference] make CaptureBinding18 safe
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),  
Collection#remove(Object) et al.
- \* Jesper S Moller - Contributions for
- \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* bug 527554 - [1.8.3] Compiler support for JEP 286 Local-Variable Type
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 405104 - [1.8][compiler][codegen]  
Implement support for serializable lambdas
- \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- \* bug 386692 - Missing "unused" warning on "autowired" fields
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
- \* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown  
when using MethodSource

\*\*\*\*\*/

Found in path(s):

- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/TypeConstants.java

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  - \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/tool/EclipseFileManager.java
  - \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/StackMapFrameCodeStream.java
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- \* Jesper S Moller - Contributions for
- \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- \* Bug 406973 - [compiler] Parse MethodParameters attribute
- \* Andy Clement - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's

work)

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\* Stephan Herrmann - Contribution for

\* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

\* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

\* Bug 429403 - [1.8][null] null mismatch from type arguments is not reported at field initializer

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Bug 458396 - NPE in CodeStream.invoke()

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

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Found in path(s):

\*/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/FieldDeclaration.java

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 \* Stephan Herrmann - contributions for  
 \* bug 336428 - [compiler][null] bogus warning "redundant null check" in condition of do { } while() loop  
 \* bug 186342 - [compiler][null] Using annotations for null checking  
 \* bug 365519 - editorial cleanup after bug 186342 and bug 365387  
 \* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK  
 \* bug 365859 - [compiler][null]  
 distinguish warnings based on flow analysis vs. null annotations  
 \* bug 385626 - @NonNull fails across loop boundaries  
 \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
 \* bug 376263 - Bogus "Potential null pointer access" warning  
 \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred  
 checking  
 \* bug 406384 - Internal error with I20130413  
 \* Bug 415413 - [compiler][null] NullPointerException in Null Analysis caused by interaction of  
 LoopingFlowContext and FinallyFlowContext  
 \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops  
 \* Bug 455557 - [jdt] NPE LoopingFlowContext.recordNullReference  
 \* Bug 455723 - Nonnull argument not correctly inferred in loop  
 \* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch  
 \* Bug 421035 - [resource]  
 False alarm of resource leak warning when casting a closeable in its assignment  
 \* Jesper S Moller - contributions for  
 \* bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops  
 \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
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 \* Stephan Herrmann - Contribution for  
 \* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations  
 \* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability

analysis

- \* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
- \* Till Brychcy - Contribution for
- \* Bug 473713

- [1.8][null] Type mismatch: cannot convert from @NonNull A1 to @NonNull A1

\*\*\*\*\*/

/\* Cache the derived type, tagging it as a derivative of both the key type and the naked type.

E.g: int @NonNull [] would be tagged as a derived type of both int and int []. This is not needed for correctness, but for annotated object reuse. We provide two alternate ways to annotate a type:

Taking parameterized types as an example, a call to getParameterizedType can be made with annotations to create @NonNull List<@NonNull String> in one stroke. Or a parameterized type can be created first and then annotated via getAnnotatedType. In the former case, the tables get looked up with List as the key, in the latter with List<String> as the key.

Binary vs source, substitutions, annotation re-attribution from SE7 locations etc trigger these alternate code paths. Unless care is exercised, we will end up with duplicate objects (that share the same TypeBinding.id => correctness is not an issue, but memory wastage is)

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/TypeSystem.java

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\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests

can cope with null annotations enabled

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

\* Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varargs

- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
- \* Bug 434600 - Incorrect null analysis error reporting on type parameters
- \* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
- \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][] despite @NonNullByDefault
- \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  - \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
  - \* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator
  - \* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator
- \* Jesper S Møller <jesper@selskabet.org> - Contributions for
  - \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
  - \* bug 529556 - [18.3] Add content assist support for 'var' as a type

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/TypeReference.java

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- \* Jesper S Moller - Contributions for
- \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- \* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile
- \* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com
- Contributions for
- \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- \* Bug 439889 - [1.8][compiler] [lambda] Deserializing lambda fails with IllegalArgumentException: "Invalid lambda deserialization"

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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/ConstantPool.java

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- \* IBM Corporation - initial API and implementation
- \* Stephan Herrmann - Contributions for
- \* bug 186342 - [compiler][null] Using annotations for null checking
- \* bug 387612 - Unreachable catch block...exception is never thrown from the try
- \* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
- \* bug 401456 - Code compiles from javac/intellij, but fails from eclipse
- \* bug 401271 - StackOverflowError
- when searching for a methods references
- \* bug 405706 - Eclipse compiler fails to give compiler error when return type is a inferred generic
- \* Bug 408441 - Type mismatch using Arrays.asList with 3 or more implementations of an interface with the interface type as the last parameter
- \* Bug 413958 - Function override returning inherited Generic Type
- \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- \* Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations
- \* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding



- \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- \* Bug 424415 - [1.8][compiler]

Eventual resolution of ReferenceExpression is not seen to be happening.

- \* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- \* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- \* Bug 426589 - [1.8][compiler] Compiler error with generic method/constructor invocation as vargs argument
- \* Bug 426590 - [1.8][compiler] Compiler error with ternary operator
- \* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
- \* Bug 426998 - [1.8][compiler] method(java.lang.Class, java.lang.String) not applicable for the arguments (java.lang.Class, java.lang.String)
- \* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
- \* Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
- \* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- \* Bug  
427728 - [1.8] Type Inference rejects calls requiring boxing/unboxing
- \* Bug 427218 - [1.8][compiler] Verify error varargs + inference
- \* Bug 426836 - [1.8] special handling for return type in references to method getClass()?
- \* Bug 427628 - [1.8] regression : The method \* is ambiguous for the type \*
- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- \* Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type

Bindings

- \* Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location
- \* Bug 428811 - [1.8][compiler] Type witness unnecessarily required
- \* Bug 429424 - [1.8][inference] Problem inferring type of method's parameter
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
- \* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
- \* Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- \* Bug 452194 - Code no longer compiles in 4.4.1, but with confusing error
- \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- \* Bug 456236 - [1.8][null] Cannot infer type when constructor argument is annotated with @Nullable
- \* Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][] despite @NonNullByDefault
- \* Bug 462083 - [1.8][inference] Java 8 generic return type mismatch with interface involving type parameter.
- \* Jesper S Moller - Contributions for
- \* Bug 378674 - "The method can be declared as static" is wrong
- \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- \* Andy Clement (GoPivotal, Inc)  
aclement@gopivotal.com - Contributions for
- \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
- \* Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for
- \* Bug 559618 - No compiler warning for import from same package
- \* Bug 560630 - No warning on unused import on class from same package

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Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/Scope.java  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/GenericXMLWriter.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/util/ManifestAnalyzer.java

\*

/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedAnnotationBinding.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/impl/ReferenceContext.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/DefaultErrorHandlingPolicies.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblemFactory.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/Receiver.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/flow/InsideSubRoutineFlowContext.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/core/JDTCompilerAdapter.java

\*  
/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/impl/CompilerStats.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/IErrorHandlingPolicy.java

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\* Contributors:

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\* Stephan Herrmann - Contributions for

\* bug 325755 - [compiler] wrong initialization state after conditional expression

\* bug 320170 - [compiler] [null] Whitebox issues in null analysis

\* bug 292478 - Report potentially null across variable assignment

\* bug 332637 - Dead Code detection removing code that isn't dead

\* bug 341499 - [compiler][null] allocate extra bits in all methods of UnconditionalFlowInfo

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

\* bug 386181 - [compiler][null] wrong transition in UnconditionalFlowInfo.mergedWith()

\* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

\* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

\* Bug 454031 - [compiler][null][loop] bug in null analysis; wrong "dead code" detection

\* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/flow/UnconditionalFlowInfo.java

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 * Stephan Herrmann - Contribution for
 * bug 383368 - [compiler][null] syntactic null analysis for field references
 * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
 * Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
 * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 * Bug 417295 - [1.8][null]
 * Massage type annotated null analysis to gel well with deep encoded type bindings.
 * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
 * Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
 * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
 * Andy Clement - Contributions for
 * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
 * work)
 */
```

Found in path(s):

```
*/opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/InstanceOfExpression.java
```

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/IBinaryNestedType.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/IGenericType.java

\*

/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/ISourceField.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/IGenericField.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/ISourceMethod.java

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\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contributions for

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 374605 - Unreasonable warning for enum-based switch statements

- \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
  - \* bug 382354 - [1.8][compiler] Compiler silent on conflicting modifier
  - \* bug 401030 - [1.8][null] Null analysis support for lambda methods.
  - \* Bug  
416176 - [1.8][compiler][null] null type annotations cause grief on type variables
  - \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
  - \* Jesper S Moller - Contributions for
  - \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- \*\*\*\*\*/

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\* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/IPolyExpression.java  
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- \* Stephan Herrmann - Contribution for
- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- \* bug 383368 - [compiler][null] syntactic null analysis for field references
- \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

\*\*\*\*\*/

#### Found

in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ArrayReference.java

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\* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

\* bug 328281 - visibility leaks not detected when analyzing unused field in private class

\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 365836 - [compiler][null] Incomplete propagation of null defaults.

\* bug 365519 - editorial cleanup after bug 186342

and bug 365387

\* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations

\* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

\* bug 366063 - Compiler should not add synthetic @NonNull annotations

\* bug 384663 - Package Based Annotation Compilation Error in JDT 3.8/4.2 (works in 3.7.2)

\* bug 386356 - Type mismatch error with annotations and generics

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 331649 - [compiler][null] consider null annotations for fields

\* bug 380896 - [compiler][null] Enum constants not recognised as being NonNull.

\* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

\* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

\* Bug 416172 - [1.8][compiler][null] null type annotation not evaluated on method return type

\* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

- \* Bug 426048 - [1.8] NPE in TypeVariableBinding.internalBoundCheck when parentheses are not balanced
- \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8
- \* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- \* Bug 441693 - [1.8][null]

Bogus warning for type argument annotated with @NonNull

- \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- \* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
- \* Bug 461250 - ArrayIndexOutOfBoundsException in SourceTypeBinding.fields
- \* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- \* Jesper S Moller <jesper@selskabet.org> - Contributions for
- \* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- \* Till Brychcy - Contributions for
- \* bug 415269 - NonNullByDefault is not always inherited to nested classes
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- \* Sebastian Zarnkow - Contributions

for

- \* bug 544921 - [performance] Poor performance with large source files

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jar/org/eclipse/jdt/internal/compiler/batch/FileFinder.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/util/Messages.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredInitializer.java  
\*  
/opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/MemberTypeBinding.java  
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jar/org/eclipse/jdt/internal/compiler/problem/ProblemSeverities.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/util/SuffixConstants.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/lookup/SourceTypeCollisionException.java

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* Bug 378674 - "The method can be declared as static" is wrong
*/
```

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```
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/SuperReference.java
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* IBM Corporation - initial API and implementation
* Tom Tromey - patch for readTable(String) as described in http://bugs.eclipse.org/bugs/show_bug.cgi?id=32196
* Stephan Herrmann - Contributions for
* bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)
* bug 374605 - Unreasonable warning for enum-based switch statements
* bug 393719 - [compiler] inconsistent warnings on iteration variables
* bug 382353 - [1.8][compiler] Implementation property modifiers
* should be accepted on default methods.
* bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
* bug 401035 - [1.8] A few tests have started failing recently
* Jesper S Moller - Contributions for
* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
* bug 399695 - [1.8][compiler] [1.8][compiler] migrate parser to other syntax for default methods
* bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
*/
```

- \* bug 393192 - Incomplete type hierarchy with > 10 annotations
- \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- \* Andy Clement - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- \* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
- \* Bug 415821 - [1.8][compiler] CLASS\_EXTENDS target type annotation missing for anonymous classes

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/Parser.java

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\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Bug 440687 - [compiler][batch][null] improve command line option for external annotations  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathJar.java

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\* Bug 365662 - [compiler][null] warn on contradictory and redundant null annotations  
\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
\* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations  
\* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/AccessRuleSet.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/JavadocArgumentExpression.java

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\* Frits Jalvingh - fix for bug 533830.

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/JavadocSingleTypeReference.java

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\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

\* Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references

\*

Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/INameEnvironmentExtension.java

\*

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* Jesper S Moller - Bug 392671
* NPE with a method with explicit this and a following incomplete parameter
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* bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)
* bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
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\* Bug 186342 - [compiler][null] Using annotations for null checking  
\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
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\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 407191 - [1.8] Binary access support for type annotations  
\*\*\*\*\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/classfmt/FieldInfo.java  
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\* Stephan Herrmann - Contribution for  
\* bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code  
\* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

- \* bug 421543 - [1.8][compiler] Compiler fails to recognize default method being turned into abstract by subtype
- \* Jesper S Moller - Contributions for
- \* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- \* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array
- \* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator
- \* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
- \* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- \* Bug 449467 - [1.8][compiler] Invalid lambda deserialization with anonymous class
- \* Olivier Tardieu (tardieu@us.ibm.com) - Contributions for
- \* Bug 442418 - \$deserializeLambda\$ off-by-one error when deserializing the captured arguments of a lambda that also capture this

\*\*\*\*\*/

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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/codegen/CodeStream.java

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- \* wharley@bea.com - initial API and implementation
- \* IBM Corporation - Fix for bug 341494
- \* IBM Corporation - Fix for bug 328575
- \* IBM Corporation - Java 8 support

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- \* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/apt/model/ElementsImpl.java

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jar/org/eclipse/jdt/internal/compiler/apt/model/TypeMirrorImpl.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/apt/model/PrimitiveTypeImpl.java  
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\* IBM Corporation - fix for 342936  
\* Kenneth Olson - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ  
\* Dennis Hendriks - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ  
\* Frits Jalvingh - fix for bug 533830.  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompilerImpl.java  
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jar/org/eclipse/jdt/internal/compiler/batch/ClasspathJmod.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/util/HashtableOfInteger.java
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jar/org/eclipse/jdt/internal/compiler/apt/util/Options.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/tool/ArchiveFileObject.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/apt/util/Util.java
```

```
*/opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/tool/Util.java
```

```
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/apt/util/ArchiveFileObject.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/tool/Archive.java
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\* bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax  
\* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super  
\* bug 404728 - [1.8]NPE on QualifiedSuperReference error  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/QualifiedSuperReference.java  
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\* Jesper S Moller -. Contribution for bug 400830: [1.8][formatter] Code formatter for Java 8  
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* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
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* Patrick Wienands <pwienands@abit.de> - Contribution for bug 393749
* Stephan Herrmann - Contribution for
* bug 331649 - [compiler][null] consider null annotations for fields
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/Clinit.java

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\* Benjamin Muskalla - Contribution for bug 239066

\* Stephan Herrmann - Contribution for

\* bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance

\* bug 388954 - [1.8][compiler] detect default methods in class files

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract

\* bug 390883 - [1.8][compiler] Unable to override default method

\* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method

\* bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795

\* bug 406928 - computation of inherited methods seems damaged (affecting @Overrides)

\* bug 409473 - [compiler] JDT cannot compile against JRE 1.8

\* Bug 420080 - [1.8] Overridden Default method is reported as duplicated

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Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/MethodVerifier.java

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* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred
 checking
*****/

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* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
*****/

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 \* Tom Tromey - Contribution for bug 159641  
 \* Benjamin Muskalla - Contribution for bug 239066  
 \* Stephan Herrmann - Contributions for  
 \* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used  
 \* bug 295551 - Add option to automatically promote all warnings to errors  
 \* bug 359721 - [options] add command line option  
 for new warning token "resource"  
 \* bug 365208 - [compiler][batch] command line options for annotation based null analysis  
 \* bug 374605 - Unreasonable warning for enum-based switch statements  
 \* bug 375366 - ECJ ignores unusedParameterIncludeDocCommentReference unless enableJavadoc option is set  
 \* bug 388281 - [compiler][null] inheritance of null annotations as an option  
 \* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated  
 \* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation  
 \* Bug 440687 - [compiler][batch][null] improve command line option for external annotations  
 \* Bug 408815 - [batch][null] Add CLI option for  
 COMPILER\_PB\_SYNTACTIC\_NULL\_ANALYSIS\_FOR\_FIELDS  
 \* Jesper S Moller - Contributions for  
 \* bug 407297 - [1.8][compiler] Control generation of parameter names by option  
 \* Mat Booth - Contribution for bug 405176  
 \* Frits Jalvingh -  
 fix for bug 533830.  
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- \* Stephan Herrmann - Contributions for
- \* bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to org.eclipse.jdt.internal.compiler.lookup.ArrayBinding
- \* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- \* Bug 416181 - [1.8][compiler][null] Invalid assignment is not rejected by the compiler
- \* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- \* Bug 434600 - Incorrect null analysis error reporting on type parameters
- \* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- \* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code>snippet</code>
- \* Bug 466713 - Null Annotations: NullPointerException using <code>int @Nullable []</code> as Type Param
- \* Andy Clement - Contributions for
- \* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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- \* Bug 407191 - [1.8] Binary access support for type annotations

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\* Jesper Steen Moeller - Contributions for:  
\* Bug 407297: [1.8][compiler] Control generation of parameter names by option  
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\* Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped  
\* Stephan Herrmann - Contribution for  
\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.  
\* Bug 429958  
\* - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault  
\* Bug 440462 - [null][compiler]NPE in EJC for erroneous null annotations  
\* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull  
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* Stephan Herrmann - Contributions for
* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points
* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with
 generics (RuntimeException instead of IOException)
*****/

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```

Found in path(s):

```

* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/Substitution.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblem.java
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/LabeledStatement.java
*
/opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/batch/CompilationUnit.java

```

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/impl/ITypeRequestor.java  
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 * bug 383368 - [compiler][null] syntactic null analysis for field references
 * bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
 */
```

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/UnaryExpression.java  
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 * Contributors:
 * IBM Corporation - initial API and implementation
 * Nick Teryaev - fix for bug (https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752)
 * Stephan Herrmann - Contributions for
 * bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
 * bug 349326 - [1.7] new warning for missing try-with-resources
 * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 358903 - Filter practically unimportant resource leak warnings
 * bug
 * 370639 - [compiler][resource] restore the default for resource leak warnings
 * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
 * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
 */
```

- \* bug 379784 - [compiler] "Method can be static" is not getting reported
- \* bug 379834 - Wrong "method can be static" in presence of qualified super and different staticness of nested super class.
- \* bug 388281 - [compiler][null] inheritance of null annotations as an option
- \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- \* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
- \* bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly?
- \* bug 331649 - [compiler][null] consider null annotations for fields
- \* bug 383368 - [compiler][null] syntactic null analysis for field references
- \* bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
- \* bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax
- \* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
- \* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
- \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- \* Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly
- \* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
- \* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
- \* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
- \* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
- \* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- \* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- \* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- \* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- \* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- \* Bug 427438 - [1.8][compiler]
- NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- \* Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
- \* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- \* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
- \* Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- \* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- \* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
- \* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
- \* Bug 472618 - [compiler][null] assertNotNull vs. Assert.assertNotNull
- \* Bug 470958 - [1.8] Unable to convert lambda
- \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
- \* Jesper S Moller - Contributions for
- \* Bug 378674 - "The method can be declared as static" is wrong

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's  
work)  
\* Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic  
bridge method

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/MessageSend.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/core/compiler/CompilationProgress.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/parser/RecoveredAnnotation.java

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jar/org/eclipse/jdt/core/compiler/batch/BatchCompiler.java  
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jar/org/eclipse/jdt/internal/compiler/util/Util.java  
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jar/org/eclipse/jdt/internal/compiler/impl/JavaFeature.java  
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jar/org/eclipse/jdt/internal/compiler/tool/EclipseDiagnostic.java
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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 292478 - Report potentially null across variable assignment,
* bug 185682 - Increment/decrement operators mark local variables as read
* bug 331649 - [compiler][null] consider null annotations for fields
* bug 383368 - [compiler][null] syntactic null analysis for field references
* Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException:
info cannot be null
* Bug 458396 - NPE in CodeStream.invoke()
* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
* Jesper S Moller - <jesper@selskabet.org> - Contributions for
* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
* bug 378674 - "The method can be declared as static" is wrong
* bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops
* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
*****/
```

```
Found in path(s):
* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/ast/SingleNameReference.java
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\* bug 282152 - [1.5][compiler] Generics code rejected by Eclipse but accepted by javac  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource  
\* bug 358903 - Filter practically unimportant resource leak warnings  
\* bug 395002 - Self bound generic class  
doesn't resolve bounds properly for wildcards for certain parametrisation.  
\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files  
\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
\* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.  
\* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
\* Bug 426792 - [1.8][inference][impl] generify new type inference engine  
\* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.  
\* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds  
\* Bug 431269 - [1.8][compiler][null] StackOverflow in nullAnnotatedReadableName  
\* Bug 431408 - Java 8 (1.8) generics bug  
\* Bug 435962 - [RC2] StackOverFlowError when building  
\* Bug  
438458 - [1.8][null] clean up handling of null type annotations wrt type variables  
\* Bug 438250 - [1.8][null] NPE trying to report bogus null annotation conflict  
\* Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.  
\* Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables  
\* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable  
\* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull  
\* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability  
analysis  
\* Bug 456459 - Discrepancy between Eclipse compiler and javac - Enums, interfaces, and generics  
\* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief  
\* Bug 462790 - [null] NPE in Expression.computeConversion()  
\* Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error  
messages  
\* Jesper S Møller <jesper@selskabet.org> - Contributions for bug 381345 : [1.8] Take care of the Java 8 major  
version  
\* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type  
\*\*\*\*\*/  
Found in path(s):  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/lookup/TypeVariableBinding.java

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\* bug 349326 - [1.7] new warning for missing try-with-resources

\* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

\* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 467032 - TYPE\_USE Null Annotations: IllegalStateException with annotated arrays of Enum when accessed via BinaryTypeBinding

\*/

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in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedReferenceBinding.java

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jar/org/eclipse/jdt/internal/compiler/apt/model/VariableElementImpl.java

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* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
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* Stephan Herrmann - Contribution for
* Bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
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jar/org/eclipse/jdt/internal/compiler/codegen/AnnotationTargetTypeConstants.java

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 \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
 \* Bug 433478 - [compiler][null] NPE in ReferenceBinding.isCompatibleWith  
 \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemMethodBinding.java

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- \* Benjamin Muskalla - Contribution for bug 239066
- \* Stephan Herrmann - Contributions for
  - \* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
  - \* bug 338303 - Warning about Redundant assignment conflicts with definite assignment
  - \* bug 349326 - [1.7] new warning for missing try-with-resources
  - \* bug 186342 - [compiler][null] Using annotations for null checking
  - \* bug 365519 - editorial cleanup after bug 186342 and bug 365387
  - \* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
  - \* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
  - \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
  - \* bug 374605 - Unreasonable warning for enum-based switch statements
  - \* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
  - \* bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance
  - \* bug 388281 - [compiler][null] inheritance of null annotations as an option
  - \* bug 376053 - [compiler][resource] Strange potential resource leak problems
  - \* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
  - \* bug 393719 - [compiler] inconsistent warnings on iteration

variables

- \* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- \* bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared

abstract

- \* bug 331649 - [compiler][null] consider null annotations for fields
- \* bug 382789 - [compiler][null] warn when syntactically-nonnull expression is compared against null
- \* bug 376590 - Private fields with @Inject are ignored by unused field validation
- \* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
- \* bug 402028 - [1.8][compiler] null analysis for reference expressions
- \* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
- \* bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
- \* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
- \* Bug

392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

- \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- \* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
- \* Bug 415850 - [1.8] Ensure RunJDTCORETests can cope with null annotations enabled
- \* Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first

field

- \* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- \* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
- \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \* Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to

Files::walk

- \* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert  
from List<Object> to Collection<Object[]>
- \* Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type

Bindings

- \* Bug 416190 - [1.8][null] detect incompatible overrides due to null type annotations

- \* Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE\_USE locations
  - \* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
  - \* Bug 430150 - [1.8][null] stricter checking against type variables
  - \* Bug 434600 - Incorrect null analysis error reporting on type parameters
  - \* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
  - \* Bug 438467 - [compiler][null] Better error position for "The method \_ cannot implement the corresponding method \_ due to incompatible nullness constraints"
  - \* Bug 439298 - [null] "Missing code implementation in the compiler" when using @NonNullByDefault in package-info.java
  - \* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  - \* Bug 446442 - [1.8] merge null annotations from super methods
  - \* Bug 455723 - Nonnull argument not correctly inferred in loop
  - \* Bug 458361 - [1.8][null] reconciler throws NPE in ProblemReporter.illegalReturnRedefinition()
  - \* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
  - \* Bug 461878 - [1.7][1.8][compiler][null] ECJ compiler does not allow to use null annotations on annotations
  - \* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
  - \* Jesper S Moller <jesper@selskabet.org> - Contributions for
    - \* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
    - \* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
    - \* bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
    - \* bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
    - \* bug 412151 - [1.8][compiler] Check repeating annotation's collection type
    - \* bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
    - \* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
    - \* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
    - \* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
  - \* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
    - \* bug 386692 - Missing "unused" warning on "autowired" fields
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/problem/ProblemReporter.java

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  - \* Stephan Herrmann - Contribution for
  - \* bug 384380 - False positive on a "Potential null pointer access" after a continue
  - \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/InvocationSite.java

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Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/SplitPackageBinding.java

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/BinaryModuleBinding.java

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\* Contributors:

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- \* Stephan Herrmann - Contributions for

- \* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

- \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

- \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred

checking

\* Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/DoStatement.java

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/ModuleScope.java

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\* Stephan Herrmann - Contributions for

\* bug 186342 - [compiler][null] Using annotations for null checking

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* bug 388281 - [compiler][null] inheritance of null annotations as an option

\* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

\*\*\*\*\*/

Found



in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/TagBits.java

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\* Contributors:  
\* IBM Corporation - initial API and implementation  
\* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 407191 - [1.8] Binary access support for type annotations  
\*\*\*\*\*

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/env/IBinaryMethod.java

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\* Contributors:  
\* IBM Corporation - initial API and implementation  
\* IBM Corporation - added the following constants  
\* NonStaticAccessToStaticField  
\* NonStaticAccessToStaticMethod  
\* Task  
\* ExpressionShouldBeAVariable  
\* AssignmentHasNoEffect  
\* IBM Corporation - added the following constants  
\* TooManySyntheticArgumentSlots  
\* TooManyArrayDimensions

- \* TooManyBytesForStringConstant
- \* TooManyMethods
- \* TooManyFields
- \* NonBlankFinalLocalAssignment
- \* ObjectCannotHaveSuperTypes
- \* MissingSemiColon
- \* InvalidParenthesizedExpression
- \* EnclosingInstanceInConstructorCall
- \* BytecodeExceeds64KLimitForConstructor
- \* IncompatibleReturnTypeForNonInheritedInterfaceMethod
- \* UnusedPrivateMethod
- \* UnusedPrivateConstructor
- \* UnusedPrivateType
- \* UnusedPrivateField
- \* IncompatibleExceptionInThrowsClauseForNonInheritedInterfaceMethod
- \* InvalidExplicitConstructorCall
- \* IBM Corporation - added the following constants
- \* PossibleAccidentalBooleanAssignment
- \* SuperfluousSemicolon
- \* IndirectAccessToStaticField
- \* IndirectAccessToStaticMethod
- \* IndirectAccessToStaticType
- \* BooleanMethodThrowingException
- \* UnnecessaryCast
- \* UnnecessaryArgumentCast
- \* UnnecessaryInstanceOf
- \* FinallyMustCompleteNormally
- \* UnusedMethodDeclaredThrownException
- \* UnusedConstructorDeclaredThrownException
- \* InvalidCatchBlockSequence
- \* UnqualifiedFieldAccess
- \* IBM Corporation - added the following constants
- \* Javadoc
- \* JavadocUnexpectedTag
- \* JavadocMissingParamTag
- \* JavadocMissingParamName
- \* JavadocDuplicateParamName
- \* JavadocInvalidParamName
- \* JavadocMissingReturnTag
- \* JavadocDuplicateReturnTag
- \* JavadocMissingThrowsTag
- \* JavadocMissingThrowsClassName
- \* JavadocInvalidThrowsClass
- \* JavadocDuplicateThrowsClassName
- \* JavadocInvalidThrowsClassName
- \* JavadocMissingSeeReference
- \* JavadocInvalidSeeReference

- \* JavadocInvalidSeeHref
- \* JavadocInvalidSeeArgs
- \* JavadocMissing
- \* JavadocInvalidTag
- \* JavadocMessagePrefix
- \* EmptyControlFlowStatement
- \* IBM Corporation - added the following constants
- \* IllegalUsageOfQualifiedTypeReference
- \* InvalidDigit
- \* IBM Corporation - added the following constants
- \* ParameterAssignment
- \* FallthroughCase
- \* IBM Corporation - added the following constants
- \* UnusedLabel
- \* UnnecessaryNLSTag
- \* LocalVariableMayBeNull
- \* EnumConstantsCannotBeSurroundedByParenthesis
- \* JavadocMissingIdentifier
- \* JavadocNonStaticTypeFromStaticInvocation
- \* RawTypeReference
- \* NoAdditionalBoundAfterTypeVariable
- \* UnsafeGenericArrayForVarargs
- \* IllegalAccessFromTypeVariable
- \*
- AnnotationValueMustBeArrayInitializer
- \* InvalidEncoding
- \* CannotReadSource
- \* EnumStaticFieldInInInitializerContext
- \* ExternalProblemNotFixable
- \* ExternalProblemFixable
- \* IBM Corporation - added the following constants
- \* AnnotationValueMustBeAnEnumConstant
- \* OverridingMethodWithoutSuperInvocation
- \* MethodMustOverrideOrImplement
- \* TypeHidingTypeParameterFromType
- \* TypeHidingTypeParameterFromMethod
- \* TypeHidingType
- \* IBM Corporation - added the following constants
- \* NullLocalVariableReference
- \* PotentialNullLocalVariableReference
- \* RedundantNullCheckOnNullLocalVariable
- \* NullLocalVariableComparisonYieldsFalse
- \* RedundantLocalVariableNullAssignment
- \* NullLocalVariableInstanceofYieldsFalse
- \* RedundantNullCheckOnNonNullLocalVariable
- \* NonNullLocalVariableComparisonYieldsFalse
- \* IBM Corporation - added the following constants
- \* InvalidUsageOfTypeParametersForAnnotationDeclaration

- \* InvalidUsageOfTypeParametersForEnumDeclaration
- \* IBM Corporation - added the following constants
- \* RedundantSuperinterface
- \* Benjamin Muskalla - added the following constants
- \* MissingSynchronizedModifierInInheritedMethod
- \* Stephan Herrmann - added the following constants
- \* UnusedObjectAllocation
- \* PotentiallyUnclosedCloseable
- \* PotentiallyUnclosedCloseableAtExit
- \* UnclosedCloseable
- \* UnclosedCloseableAtExit
- \* ExplicitlyClosedAutoCloseable
- \* RequiredNonNullButProvidedNull
- \* RequiredNonNullButProvidedPotentialNull
- \* RequiredNonNullButProvidedUnknown
- \* NullAnnotationNameMustBeQualified
- \* IllegalReturnNullityRedefinition
- \* IllegalRedefinitionToNonNullParameter
- \* IllegalDefinitionToNonNullParameter
- \* ParameterLackingNonNullAnnotation
- \* ParameterLackingNullableAnnotation
- \* PotentialNullMessageSendReference
- \* RedundantNullCheckOnNonNullMessageSend
- \* CannotImplementIncompatibleNullness
- \* RedundantNullAnnotation
- \* RedundantNullDefaultAnnotation
- \* RedundantNullDefaultAnnotationPackage
- \* RedundantNullDefaultAnnotationType
- \* RedundantNullDefaultAnnotationMethod
- \* ContradictoryNullAnnotations
- \* IllegalAnnotationForBaseType
- \* RedundantNullCheckOnSpecdNonNullLocalVariable
- \* SpecdNonNullLocalVariableComparisonYieldsFalse
- \* RequiredNonNullButProvidedSpecdNullable
- \* MissingDefaultCase
- \* MissingEnumConstantCaseDespiteDefault
- \* UninitializedLocalVariableHintMissingDefault
- \* UninitializedBlankFinalFieldHintMissingDefault
- \* ShouldReturnValueHintMissingDefault
- \* IllegalModifierForInterfaceDefaultMethod
- \* InheritedDefaultMethodConflictsWithOtherInherited
- \* ConflictingNullAnnotations
- \* ConflictingInheritedNullAnnotations
- \* UnsafeElementTypeConversion
- \* ArrayReferencePotentialNullReference
- \* DereferencingNullableExpression
- \* NullityMismatchingTypeAnnotation
- \* NullityMismatchingTypeAnnotationSuperHint

- \* NullityUncheckedTypeAnnotationDetail
- \* NullityUncheckedTypeAnnotationDetailSuperHint
- \* NullableFieldReference
- \* UninitializedNonNullField
- \* UninitializedNonNullFieldHintMissingDefault
- \* NonNullMessageSendComparisonYieldsFalse
- \* RedundantNullCheckOnNonNullSpecdField
- \* NonNullSpecdFieldComparisonYieldsFalse
- \* NonNullExpressionComparisonYieldsFalse
- \* RedundantNullCheckOnNonNullExpression
- \* ReferenceExpressionParameterNullityMismatch
- \* ReferenceExpressionParameterNullityUnchecked
- \* ReferenceExpressionReturnNullRedef
- \* ReferenceExpressionReturnNullRedefUnchecked
- \* DuplicateInheritedDefaultMethods
- \* SuperAccessCannotBypassDirectSuper
- \* SuperCallCannotBypassOverride
- \* ConflictingNullAnnotations
- \* ConflictingInheritedNullAnnotations
- \* UnsafeElementTypeConversion
- \* PotentialNullUnboxing
- \* NullUnboxing
- \* NullExpressionReference
- \* PotentialNullExpressionReference
- \* RedundantNullCheckAgainstNonNullType
- \* NullAnnotationUnsupportedLocation
- \* NullAnnotationUnsupportedLocationAtType
- \* NullityMismatchTypeArgument
- \* ContradictoryNullAnnotationsOnBound
- \* UnsafeNullnessCast
- \* ContradictoryNullAnnotationsInferred
- \* NonNullDefaultDetailIsNotEvaluated
- \* NullNotCompatibleToFreeTypeVariable
- \* NullityMismatchAgainstFreeTypeVariable
- \* ImplicitObjectBoundNonNullDefault
- \* IllegalParameterNullityRedefinition
- \* ContradictoryNullAnnotationsInferredFunctionType
- \* IllegalReturnNullityRedefinitionFreeTypeVariable
- \* UnlikelyCollectionMethodArgumentType
- \* UnlikelyEqualsArgumentType
- \* Jesper S Moller - added the following constants
- \* TargetTypeNotAFunctionalInterface
- \* OuterLocalMustBeEffectivelyFinal
- \* IllegalModifiersForPackage
- \* DuplicateAnnotationNotMarkedRepeatable
- \* DisallowedTargetForContainerAnnotation
- \* RepeatedAnnotationWithContainerAnnotation
- \* ContainingAnnotationMustHaveValue

- \* ContainingAnnotationHasNonDefaultMembers
- \* ContainingAnnotationHasWrongValueType
- \* ContainingAnnotationHasShorterRetention
- \* RepeatabeAnnotationHasTargets
- \* RepeatabeAnnotationTargetMismatch
- \* RepeatabeAnnotationIsDocumented
- \* RepeatabeAnnotationIsInherited
- \* RepeatabeAnnotationWithRepeatingContainerAnnotation
- \* VarLocalMultipleDeclarators
- \* VarLocalCannotBeArray
- \* VarLocalReferencesItself
- \* VarLocalWithoutInitiazlier
- \* VarLocalInitializedToNull
- \* VarLocalCannotBeArrayInitalizers
- \* VarLocalCannotBeLambda
- \* VarLocalCannotBeMethodReference
- \* VarIsReserved
- \* VarIsReservedInFuture
- \* VarIsNotAllowedHere

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/core/compiler/IProblem.java

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\* IBM Corporation - initial API and implementation

\* Stephan Herrmann - Contribution for

\* Bug 365992 - [builder] [null] Change of nullness for a parameter doesn't trigger a build for the files that call the method

\* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

\* Bug 440687 - [compiler][batch][null] improve command line option for external annotations

\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

\*

bug 407191 - [1.8] Binary access support for type annotations

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileReader.java

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\* Stephan Herrmann - initial API and implementation  
\* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for  
\* Bug 473178  
\* IBM Corporation - Bug fixes

\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/BoundSet.java

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\* Jesper Steen Moller - Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/apt/model/ExecutableElementImpl.java

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 \* Contributors:  
 \* IBM Corporation - initial API and implementation  
 \* Stephan Herrmann - Contribution for  
 \* bug 331649 - [compiler][null] consider null annotations for fields  
 \* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)  
 \* Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?  
 \* Jesper S Moller - Contributions for  
 \* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment  
 \*-----\*/

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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
 jar/org/eclipse/jdt/internal/compiler/ast/NameReference.java

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 \* Contributors:  
 \* IBM Corporation - initial API and implementation  
 \* Stephan Herrmann - Contributions for  
 \* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files  
 \* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099  
 \* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
 \* Bug 415543 - [1.8][compiler] Incorrect bound index in RuntimeInvisibleTypeAnnotations attribute  
 \*-----\*/

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in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
 jar/org/eclipse/jdt/internal/compiler/ast/TypeParameter.java



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* Contributors:
* IBM Corporation - initial API and implementation
* Stephan Herrmann - Contribution for
* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug
415291 - [1.8][null] differentiate type incompatibilities due to null annotations
* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 425460 - [1.8] [inference] Type not inferred on stream.toArray
* Bug 426792 - [1.8][inference][impl] generify new type inference engine
* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
* Bug 441693 -
[1.8][null] Bogus warning for type argument annotated with @NonNull
* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
*****/

```

Found in path(s):

```

* /opt/cola/permits/1430636762_1664535907.3671625/0/ecj-3-26-0-sources-3-
jar/org/eclipse/jdt/internal/compiler/lookup/ArrayBinding.java

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 \* IBM Corporation - initial API and implementation  
 \* Genady Beriozkin - added support for reporting assignment with no effect  
 \* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for  
 \* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE  
 \* bug 292478 - Report potentially null across variable assignment  
 \* bug 335093 - [compiler][null] minimal hook for future null annotation support  
 \* bug 349326 - [1.7] new warning for missing  
 try-with-resources  
 \* bug 186342 - [compiler][null] Using annotations for null checking  
 \* bug 358903 - Filter practically unimportant resource leak warnings  
 \* bug 370639 - [compiler][resource] restore the default for resource leak warnings  
 \* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations  
 \* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
 \* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'  
 \* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional  
 \* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.  
 \* bug 331649 - [compiler][null] consider null annotations for fields  
 \* bug 383368 - [compiler][null] syntactic null analysis for field references  
 \* bug 402993 - [null] Follow up of bug 401088: Missing  
 warning about redundant null check  
 \* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred  
 checking  
 \* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis  
 \* Bug 427438 - [1.8][compiler] NPE at  
 org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)  
 \* Bug 453483 - [compiler][null][loop] Improve null analysis for loops  
 \* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null  
 \*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
 jar/org/eclipse/jdt/internal/compiler/ast/Assignment.java

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\* Stephan Herrmann - Contributions for

\* bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to org.eclipse.jdt.internal.compiler.lookup.ArrayBinding

\* Bug 420894 - ClassCastException in DefaultBindingResolver.resolveType(Type)

\* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

\* Bug 415043 - [1.8][null] Follow-up re null type

annotations after bug 392099

\* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

\* Bug 434600 - Incorrect null analysis error reporting on type parameters

\* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

\* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>

\* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

\* Andy Clement - Contributions for

\* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-

jar/org/eclipse/jdt/internal/compiler/ast/ParameterizedSingleTypeReference.java

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\* Stephan Herrmann - Contributions for  
\* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE  
\* bug 349326 - [1.7] new warning for missing try-with-resources  
\* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"  
\* bug 383368 - [compiler][null] syntactic null analysis for field references  
\* bug 403147 - [compiler][null] FUP of bug 400761:  
consolidate interaction between unboxing, NPE, and deferred checking  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
jar/org/eclipse/jdt/internal/compiler/ast/IfStatement.java  
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\* Bug 428811 - [1.8][compiler] Type witness unnecessarily required  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-  
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\* bug 383368 - [compiler][null] syntactic null analysis for field references  
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Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/NullLiteral.java

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\* bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code  
\* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()  
\* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file  
\* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for  
\* Bug 405104 -  
[1.8][compiler][codegen] Implement support for serializable lambdas  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticMethodBinding.java

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* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 383368 - [compiler][null] syntactic null analysis for field references
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jar/org/eclipse/jdt/internal/compiler/ast/BinaryExpression.java  
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\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModule.java  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/ModuleReference.java  
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* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*****/
```

Found in path(s):  
\* /opt/cola/permits/1430636762\_1664535907.3671625/0/ecj-3-26-0-sources-3-jar/org/eclipse/jdt/internal/compiler/ast/SingleTypeReference.java  
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*****/
```

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* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*****/

```

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* bug 186342 - [compiler][null] Using annotations for null checking
* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
* bug 413958 - Function override returning inherited Generic Type
* Bug 400874 - [1.8][compiler] Inference infrastructure
should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
* Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
* Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
* Bug 446442 - [1.8] merge null annotations from super methods
* Bug 457079 - Regression: type
inference
*****/

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THE BASIC LIBRARY FUNCTIONS

-----

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

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## 1.630 audit 2.8.5-2ubuntu6

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\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Member.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/scopedpool/ScopedClassPool.java  
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/opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/CtClass.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/CannotCreateException.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/Bytecode.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/ASTList.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/CtArray.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/TypeTag.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/util/proxy/DefineClassHelper.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/MultiType.java  
\*  
/opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/MethodInfo.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-

```

jar/javassist/bytecode/ClassFile.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/compiler/ast/MethodDecl.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/Mnemonic.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/analysis/Util.java
*
/opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/expr/Cast.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/URLClassPath.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/util/HotSwapper.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/tools/rmi/RemoteException.java
*
/opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/annotation/AnnotationsWriter.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/compiler/MemberResolver.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/bytecode/SourceFileAttribute.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/convert/TransformNew.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1434218610_1664996210.5127783/0/javassist-3-29-2-ga-sources-
jar/javassist/tools/reflect/CannotInvokeException.java

```



\*  
/opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/util/proxy/SecurityActions.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/InstructionPrinter.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/tools/web/Webserver.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/StringL.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/compiler/TokenId.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Variable.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/util/proxy/RuntimeSupport.java  
\*  
/opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/AttributeInfo.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/SignatureAttribute.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/Reflection.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/CtField.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/expr/NewExpr.java  
\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java

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

/\*

\* Javassist, a Java-bytecode translator toolkit.  
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\* License.

\*/

Found in path(s):

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/FloatMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/MemberValueVisitor.java

\*

/opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/MemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/LongMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/CharMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ByteMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ClassMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/Annotation.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java

\*

/opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ShortMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/IntegerMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/StringMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/BooleanMemberValue.java

\* /opt/cola/permits/1434218610\_1664996210.5127783/0/javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java

## 1.633 unzip 6.0-25ubuntu1.1

### 1.633.1 Available under license :

This is version 2009-Jan-02 of the Info-ZIP license.

The definitive version of this document should be available at

<ftp://ftp.info-zip.org/pub/infozip/license.html> indefinitely and

a copy at <http://www.info-zip.org/pub/infozip/license.html>.

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For the purposes of this copyright and license, "Info-ZIP" is defined as the following set of individuals:

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variation thereof, including, but not limited to, different  
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explicit permission of Info-ZIP. Such altered versions are further  
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e-mail addresses or the Info-ZIP URL(s), such as to imply Info-ZIP  
will provide support for the altered versions.

4. Info-ZIP retains the right to use the names "Info-ZIP," "Zip," "UnZip,"  
"UnZipSFX," "WiZ," "Pocket UnZip," "Pocket Zip," and "MacZip" for its  
own source and binary releases.

---

This is the Info-ZIP file COPYING (for UnZip), last updated 17 Jul 2000.

---

#### FIRST NOTE:

This file contains some details about the copyright history of  
contributions to the UnZip project.

Additionally, it summarises some exceptions to the general BSD-like  
copyright found in LICENSE that covers our generic code and most of  
the system specific ports.

Please read LICENSE first to find out what is allowed to do with  
Info-ZIP's UnZip code.

-----

There are currently two explicit copyrights on portions of UnZip  
code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans'  
MacBinaryIII coding code (for the MacOS port).. These copyrights  
are discussed in more detail below.

All remaining  
code is now (starting with UnZip version 5.41) covered  
by the new Info-ZIP license. For details, please read the accompanying  
file LICENSE. The terms and conditions in this license supersede the  
copyright conditions of the contributions by Igor Mandrichenko  
(vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c),  
Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket  
UnZip GUI "wince/\*"), and Mark Adler (inflate/explode decompression  
core routines, previously put into the public domain). All these  
Info-ZIP contributors (or "primary" authors) have permitted us to  
replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip  
are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding \_in an apparatus that performs LZW encoding\_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives,

reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

\* MoreFiles

\*

\* A collection of File Manager and related routines

\*

\* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)

\* with significant code contributions by Nitin Ganatra

\* (Apple Macintosh Developer Technical Support Emeritus)

\* Copyright 1992-1998

Apple Computer, Inc.

\* Portions copyright 1995 Jim Luther

\* All rights reserved.

\* The Package "More Files" is distributed under the following

\* license terms:

\*

\* "You may incorporate this sample code into your

\* applications without restriction, though the  
\* sample code has been provided "AS IS" and the  
\* responsibility for its operation is 100% yours.  
\* However, what you are not permitted to do is to  
\* redistribute the source as "DSC Sample Code" after  
\* having made changes. If you're going to  
\* redistribute the source, we require that you make  
\* it clear in the source that the code was descended  
\* from Apple Sample Code, but that you've made  
\* changes."

The usage terms of this copyright note are compatible with the  
Info-ZIP license, they do not add further restrictions.

The following  
copyright applies to the Mac OS "macbin3" decoding code  
(extra field compatibility with ZipIt):

\* MacBinaryIII.h  
\*  
\* Copyright 1997 Christopher Evans (cevens@poppybank.com)  
\*  
\* Basic encoding and decoding of Macintosh files to the  
\* MacBinary III spec.  
\* -----  
\* This source is copyrighted by Christopher Evans (cevens@poppybank.com)  
\* (available at ftp://ftp.lazerware.com/MacBinaryIII\_src\_C.sit  
\* homepage of Leonard Rosenthol leonardr@netcom.com)

This copyright note does not contain any usage terms. So, we assume  
that this code is freely reusable until we are proved wrong...

-----  
The remaining copyright notes have been superseded by the new  
Info-ZIP license, with explicit permission from the respective  
original authors. They are cited here for historical reasons,  
only:

The following copyright applies to the full-featured unreduce.c  
(now distributed separately):

\* Copyright 1989 Samuel H. Smith; All rights reserved  
\*  
\* Do not distribute modified versions without my permission.  
\* Do not remove or alter this notice or any other copyright notice.  
\* If you use this in your own program you must distribute source code.

\* Do not use any of this in a commercial product.

Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

The following copyright applied to most of the VMS code in vms.c, distributed with UnZip version 4.2 and later:

- \* Copyright (c) 1992-93 Igor Mandrichenko.
- \* Permission is granted to any individual or institution to use, copy,
- \* or redistribute this software so long as all of the original files
- \* are included unmodified and that this copyright notice is retained.

-----

The following copyright applied to the new version of unshrink.c, distributed with UnZip version 5.2 and later:

- \* Copyright (c) 1994 Greg Roelofs.
- \* Permission is granted to any individual/institution/corporate
- \* entity to use, copy, redistribute or modify this software for
- \* any purpose whatsoever, subject to the conditions noted in the
- \* Frequently Asked Questions section below, plus one additional
- \* condition: namely, that my name not be removed from the source
- \* code. (Other names may, of course, be added as modifications
- \* are made.) Corporate legal staff (like at IBM :-)) who have
- \* problems understanding this can contact me through Zip-Bugs...

-----

The following copyright applied to the Windows DLL code (windll/\*), distributed with UnZip version 5.2 and later:

- \* Copyright (c) 1996 Mike White.
- \* Permission is granted to any individual or institution to use,
- \* copy, or redistribute this software so long as all of the original
- \* files are included, that it is not sold for profit, and that this
- \* copyright notice is retained.

-----

The following copyright applied to the Windows CE GUI port, ``Pocket UnZip," distributed with UnZip version 5.3 and later:

- \* All the source files for Pocket UnZip, except for components
- \* written by the Info-ZIP group, are copyrighted 1997 by Steve P.
- \* Miller. The product "Pocket UnZip" itself is property of the
- \* author and cannot be altered in any way without written consent
- \* from Steve P. Miller.

-----

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

-----

# 1.634 zlib 1.2.11.dfsg-2ubuntu1.5

## 1.634.1 Available under license :

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

```
/* gun.c -- simple gunzip to give an example of the use of inflateBack()
```

```
* Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```



Version 1.7 12 August 2012 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c

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

/\* gzclose.c -- zlib gzclose() function

\* Copyright (C) 2004, 2010 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c

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

MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

Introduction

-----

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant ( <http://www.winimage.com/zLibDll/minizip.html> )

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0. All possible work was done for compatibility.

Background

-----

When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal ( <http://www.gdal.org/> )

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

Changed from MiniZip 1.0 to MiniZip 1.1

-----

\* Added ZIP64 support for unzip ( by Even Rouault )

\* Added ZIP64 support for zip ( by Mathias Svensson

)

\* Reverted some changed that Even Rouault did.

\* Bunch of patches received from Gulles Vollant that he received for MiniZip from various users.

\* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)

\* Added BZIP Compress method for zip

\* Did some refactoring and code cleanup

Credits

Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
Mathias Svensson - BZip Compression method support in zip

#### Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.

Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>

Zip File specification

#### Notes.

\* To be able to use BZip compression method in  
zip64.c or unzip64.c the BZIP2 lib is needed and HAVE\_BZIP2 need to be defined.

#### License

-----  
Condition of use and distribution are the same than zlib :

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2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
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-----  
Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/MiniZip64\_info.txt

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

```
/* compress.c -- compress a memory buffer
* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c
No license file was found, but licenses were detected in source scan.
```

```
/* zconf.h -- configuration of the zlib compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein
No license file was found, but licenses were detected in source scan.
```

```
/*
* gzlog.c
* Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved
* For conditions of distribution and use, see copyright notice in gzlog.h
* version 2.2, 14 Aug 2012
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.c
No license file was found, but licenses were detected in source scan.
```

```
/* deflate.c -- compress data using the deflation algorithm
* Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c
No license file was found, but licenses were detected in source scan.
```

Not copyrighted -- provided to the public domain

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
```

1.2.11.dfsg/examples/zlib\_how.html

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

```
/* zutil.h -- internal interface and configuration of the compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h
```

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

```
/* uncompr.c -- decompress a memory buffer
* Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c
```

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

```
For conditions of distribution and use, see copyright notice in zlib.h
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/Makefile.emx
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2
```

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

```
/* trees.c -- output deflated data using Huffman coding
* Copyright (C) 1995-2017 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c
```

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

```
/* gzread.c -- zlib functions for reading gzip files
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c

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

/\* unzip.c -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - ( <http://www.winimage.com/zLibDll/minizip.html> )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> )

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

-----  
Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.

Code woven in by Terry Thorsen 1/2003.

Copyright (c) 1990-2000 Info-ZIP. All rights reserved.

See the accompanying

file LICENSE, version 2000-Apr-09 or later

(the contents of which are also included in zip.h) for terms of use.

If, for some reason, all these files are missing, the Info-ZIP license also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>

crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

-----

## Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl\_unzGetCurrentFileZStreamPos  
2007-2008 - Even Rouault - Decoration of symbol names unz\* -> cpl\_unz\*  
2007-2008 - Even Rouault - Remove old C style function prototypes  
2007-2008 - Even Rouault - Add unzip support for ZIP64

Copyright (C) 2007-2008 Even Rouault

Oct-2009 - Mathias Svensson - Removed cpl\_\* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).

Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G should only read the compressed/uncompressed size from the Zip64 format if the size from normal header was 0xFFFFFFFF

Oct-2009 - Mathias Svensson - Applied some bug fixes from patches received from Gilles Vollant

Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method BZIP2 (bzip2 lib is required)

Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.c

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

/\* example.c -- usage example of the zlib compression library

\* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/example.c

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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).

\*/

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

```
/* gzwrite.c -- zlib functions for writing gzip files
 * Copyright (C) 2004-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c

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

```
/* Adler32.c -- compute the Adler-32 checksum of a data stream
 * Copyright (C) 1995-2011, 2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c

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

Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page <http://zlib.net/> which may have more recent information.

The latest zlib FAQ is at [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html)

1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file win32/DLL\_FAQ.txt in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/>.

3. Where can I get a Visual Basic interface to zlib?

See

\* <http://marknelson.us/1997/01/01/zlib-engine/>

\* win32/DLL\_FAQ.txt in the zlib distribution

4. compress() returns Z\_BUF\_ERROR.

Make sure that before the call of compress(), the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual

Basic, check that this parameter is passed by reference ("as any"), not by value ("as long").

5. deflate() or inflate() returns Z\_BUF\_ERROR.

Before making the call, make sure that avail\_in and avail\_out are not zero. When setting the parameter flush equal to Z\_FINISH, also make sure that avail\_out is big enough to allow processing all pending input. Note that a Z\_BUF\_ERROR is not fatal--another call to deflate() or inflate() can be made with more input or output space. A Z\_BUF\_ERROR may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when strm.avail\_out returns with zero. See [http://zlib.net/zlib\\_how.html](http://zlib.net/zlib_how.html) for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in zlib.h . Examples of zlib usage are in the files test/example.c and test/minigzip.c, with more in examples/ .

7. Why don't you use GNU autoconf or libtool or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.



8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at [zlib@gzip.org](mailto:zlib@gzip.org). Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to gzputc"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files `libz.*` in `/usr/lib`, `/usr/local/lib` or `/usr/X11R6/lib`. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the `contrib/delphi` directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory `contrib/minizip` in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an `uncompress` or `gunzip` subprocess, or adapt the code of `uncompress` on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and

trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web site: Joel Hainley, [jhainley@myndkryme.com](mailto:jhainley@myndkryme.com).

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/>. To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/>.

17. Why am I getting this "register\_frame\_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:
symbol __register_frame_info: referenced symbol not found
```

The symbol `__register_frame_info` is not part of zlib, it is generated by the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The `compress` and `deflate` functions produce data in the zlib format, which is different and incompatible with the `gzip` format. The `gz*` functions in zlib on the other hand use the `gzip` format. Both the zlib and `gzip` formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The `gzip` format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than `gzip`.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using `deflateInit2()`. You can also request that inflate decode the gzip format using `inflateInit2()`. Read `zlib.h` for more details.

21. Is zlib thread-safe?

Yes. However any library routines that zlib uses and any application-provided memory allocation routines must also be thread-safe. zlib's `gz*` functions use `stdio` library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's `*Init*` functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in `zlib.h`.

23. Is zlib under the GNU license?

No. Please read the license in `zlib.h`.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the `ZLIB_VERSION` and `ZLIB_VERNUM` `#defines` in `zlib.h`. In particular, the final version number needs to be changed to "f", and an identification string should be appended to `ZLIB_VERSION`. Version numbers `x.x.x.f` are reserved for modifications to zlib by others than the zlib maintainers. For example, if the version of the base zlib you are altering is "1.2.3.4", then in `zlib.h` you should change `ZLIB_VERNUM` to `0x123f`, and `ZLIB_VERSION` to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in `deflate.c` and `inftrees.c`.

For altered source distributions, you should also note the origin and nature of the changes in `zlib.h`, as well as in `ChangeLog` and `README`, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled zlib library along with `zlib.h` and `zconf.h` is also a source distribution, and so you should change `ZLIB_VERSION` and `ZLIB_VERNUM` and note the origin and nature of the changes in `zlib.h` as you would for a full source distribution.

25.

Will zlib work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will zlib work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to [zlib@gzip.org](mailto:zlib@gzip.org)

27. Will zlib decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than does PKZIP and zlib. However, you can look in zlib's contrib/blast directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use `Z_FULL_FLUSH`, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those points. You have to be careful to not use `Z_FULL_FLUSH` too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See `examples/zran.c`.

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's contrib/puff directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work  
with greater than 4 GB of data?

Yes. `inflate()` and `deflate()` will process any amount of data correctly. Each call of `inflate()` or `deflate()` is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the `strm.total_in` and `strm.total_out` counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by `inflate()` or `deflate()`. The application can easily set up its own counters updated after each call of `inflate()` or `deflate()` to count beyond 4 GB. `compress()` and `uncompress()` may be limited to 4 GB, since they operate in a single call. `gzseek()` and `gztell()` may be limited to 4 GB depending on how zlib is compiled. See the `zlibCompileFlags()` function in `zlib.h`.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is 32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in `gzprintf()`. If zlib is compiled to use `sprintf()` or `vsprintf()`, then there is no protection against a buffer overflow of an 8K string space (or other value as set by `gzbuffer()`), other than the caller of `gzprintf()` assuring that the output will not exceed 8K. On the other hand, if zlib is compiled to use `snprintf()` or `vsnprintf()`, which should normally be the case, then there is no vulnerability. The `./configure` script will display warnings if an insecure variation of `sprintf()` will be used by `gzprintf()`. Also the `zlibCompileFlags()` function will return information on what variant of `sprintf()` is used by `gzprintf()`.

If you don't have `snprintf()` or `vsnprintf()` and would like one, you can find a portable implementation here:

<http://www.ijs.si/software/snprintf/>

Note that you should be using the most recent version of zlib. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of zlib?

Probably what you want is to use zlib in Java. zlib is already included as part of the Java SDK in the `java.util.zip` package. If you really want

a version of zlib written in the Java language, look on the zlib home page for links: <http://zlib.net/> .

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that deflate is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of deflate is not affected. This only started showing up recently since zlib 1.2.x uses `malloc()` by default for allocations, whereas earlier versions used `calloc()`, which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed data format?

Probably not. Look in the `comp.compression` FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/> , which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more

efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ
```

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

```
/* inftrees.h -- header to use inftrees.c
```

```
* Copyright (C) 1995-2005, 2010 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.h

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

/\* gzappend -- command to append to a gzip file

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version 1.2, 11 Oct 2012

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

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

/\* deflate.h -- internal compression state

\* Copyright (C) 1995-2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h

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

/\*

Additional tools for Minizip

Code: Xavier Roche '2004

License: Same as ZLIB (www.gzip.org)



\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.h

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.c

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

/\* unzip.h -- IO for uncompress .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - ( <http://www.winimage.com/zLibDll/minizip.html> )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> )

Modifications of Unzip for Zip64

Copyright (C) 2007-2008 Even Rouault

Modifications for Zip64 support on both zip and unzip

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

-----  
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-----  
Changes

See header of unzip64.c

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

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

/\* gzjoin -- command to join gzip files into one gzip file

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version 1.2, 14 Aug 2012

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c

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

/\* crc32.c -- compute the CRC-32 of a data stream

\* Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*

\* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster

\* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing

\* tables for updating the shift register in one step with three exclusive-ors

\* instead of four steps with four exclusive-ors. This results in about a

\* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c  
No license file was found, but licenses were detected in source scan.

/\* inffast.c -- fast decoding

\* Copyright (C) 1995-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c  
No license file was found, but licenses were detected in source scan.

/\* zutil.c -- target dependent utility functions for the compression library

\* Copyright (C) 1995-2017 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c  
No license file was found, but licenses were detected in source scan.

/\* inflate.h -- internal inflate state definition

\* Copyright (C) 1995-2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h  
No license file was found, but licenses were detected in source scan.

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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jloup@gzip.org      madler@alumni.caltech.edu

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](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h

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

/\* gzguts.h -- zlib internal header definitions for gz\* operations

\* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h

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

/\* zip.h -- IO on .zip files using zlib

Version 1.1, February 14h, 2010

part of the MiniZip project - ( <http://www.winimage.com/zLibDll/minizip.html> )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( <http://www.winimage.com/zLibDll/minizip.html> )

Modifications for Zip64 support

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

-----

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-----

#### Changes

See header of zip.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/zip.h

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

/\* inftrees.c -- generate Huffman trees for efficient decoding

\* Copyright (C) 1995-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.c

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

/\* inflate.c -- zlib decompression

\* Copyright (C) 1995-2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c

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

/\* zpipe.c: example of proper use of zlib's inflate() and deflate()

Not copyrighted -- provided to the public domain

Version 1.4 11 December 2005 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zpipe.c

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

## ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. 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](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact [zlib@gzip.org](mailto:zlib@gzip.org)). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work

for most flavors of Unix. For Windows, use one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to [<zlib@gzip.org>](mailto:zlib@gzip.org), or to Gilles Vollant [<info@winimage.com>](mailto:info@winimage.com) for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html) before asking for help.

Mark Nelson [<markn@ieee.org>](mailto:markn@ieee.org) wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.11 are documented in the file `ChangeLog`.

Unsupported third party contributions are provided in directory `contrib/`.

zlib is available in Java using the `java.util.zip` package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/>.

A Perl interface to zlib written by Paul Marquess [<pmqs@cpan.org>](mailto:pmqs@cpan.org) is available at CPAN (Comprehensive Perl Archive Network) sites, including

<http://search.cpan.org/~pmqs/IO-Compress-Zlib/> .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html> .

zlib is built into tcl: <http://wiki.tcl.tk/4610> .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL\_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS or BEOS.
- For PalmOs, see <http://palmzlib.sourceforge.net/>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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jloup@gzip.org      madler@alumni.caltech.edu

If you use the zlib library in a product, we would appreciate *\*not\** receiving lengthy legal documents to sign. The sources are provided for free but without warranty of any kind. The library has been entirely written by Jean-loup Gailly and Mark Adler; it does not include third-party code.

If you redistribute modified sources, we would appreciate that you include in the file ChangeLog history information documenting your changes. Please read the FAQ for more information on the distribution of modified source versions.

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README
No license file was found, but licenses were detected in source scan.
```

```
/* minigzip.c -- simulate gzip using the zlib compression library
* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minigzip.c
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Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3
```

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```
/* inffast.h -- header to use inffast.c
```

```
* Copyright (C) 1995-2003, 2010 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h
```

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

```
/* zran.c -- example of zlib/gzip stream indexing and random access
```

```
* Copyright (C) 2005, 2012 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
Version 1.1 29 Sep 2012 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c
```

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

```
/* inffback.c -- inflate using a call-back interface
```

```
* Copyright (C) 1995-2016 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffback.c
```

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```
/* gzlog.h
```

```
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved
```

```
version 2.2, 14 Aug 2012
```

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.h

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

/\* fitblk.c: example of fitting compressed output to a specified size

Not copyrighted -- provided to the public domain

Version 1.1 25 November 2004 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c

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

/\* gzlib.c -- zlib functions common to reading and writing gzip files

\* Copyright (C) 2004-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c

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

/\* infcover.c -- test zlib's inflate routines with full code coverage

\* Copyright (C) 2011, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/infcover.c

# 1.635 apache-commons-text 1.10.0

## 1.635.1 Available under license :

Apache License

Version 2.0, January 2004

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## 1.637 go-ntlmssp 0.0.0-20200615164410-66371956d46c

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## 1.640 go-errors-errors 1.4.2

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```
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jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/JsonReaderInternalAccess.java
*
/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-jar/com/google/gson/TypeAdapter.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/bind/TypeAdapters.java
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jar/com/google/gson/internal/bind/JsonTreeReader.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/internal/bind/JsonTreeWriter.java
*
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/opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java

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jar/com/google/gson/internal/bind/DateTypeAdapter.java  
\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/LazilyParsedNumber.java  
\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/bind/TreeTypeAdapter.java  
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/opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/sql/SqlDateTypeAdapter.java  
\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/ConstructorConstructor.java  
\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/UnsafeAllocator.java  
\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-  
jar/com/google/gson/internal/sql/SqlTimeTypeAdapter.java

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\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-

jar/com/google/gson/reflect/TypeToken.java

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jar/com/google/gson/internal/\$Gson\$Types.java

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\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-

jar/com/google/gson/ToNumberStrategy.java

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Found in path(s):

```
*/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/FieldAttributes.java
*/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/JsonStreamParser.java
*/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/LongSerializationPolicy.java
*
```

```
*/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-jar/com/google/gson/JsonParser.java
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Found in path(s):

```
*/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/stream/JsonReader.java
*/opt/cola/permits/1455481167_1667022567.4713087/0/gson-2-10-sources-
jar/com/google/gson/stream/JsonScope.java
```

\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-jar/com/google/gson/stream/JsonToken.java

\*

/opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-jar/com/google/gson/stream/MalformedJsonException.java

\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-jar/com/google/gson/stream/JsonWriter.java

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\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-

jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

\* /opt/cola/permits/1455481167\_1667022567.4713087/0/gson-2-10-sources-

jar/com/google/gson/annotations/JsonAdapter.java

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Upstream-Name: sqlite3

Source: <https://www.sqlite.org/cgi/src/dir?ci=trunk>

Files: \*

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\* /opt/cola/permits/1468418635\_1673438600.2872274/0/win32-openssh-9-1-0-0p1-beta-tar-gz/Win32-OpenSSH-9.1.0.0p1-Beta/.github/workflows/releaseToWinGet.yml

## 1.645 nmcclain-ldap 0.0.0-20210720162743-7f8d1e44eeba

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/opt/cola/permits/1470661767\_1673053540.47054/0/victoriametrics-1-17-3-tar/VictoriaMetrics-1.17.3/vm-logo-zip/VM\_logo/Horizontal\_orientation/VM\_logo2\_HRZNTL\_white.eps: binary file matches

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\* /bin/grep

# 1.648 scala 2.13.10

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

```
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `{ case (a, b) => ... }
val x: ((Int, Int) => Int) = (((a, b)) => a)
 ^
```

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

```
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `{ case (param1, param2) => ... }
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
 ^
```

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

```
Either create a single parameter accepting the
Tuple3,
or consider a pattern matching anonymous function: `{ case (param1, ..., param3) => ... }
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
 ^
```

3 errors

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```

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# 1.653 scala-java8-compat\_2.13 1.0.2

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Manifest-Version: 1.0  
Automatic-Module-Name: scala.compat.java8  
Bnd-LastModified: 1635385851336  
Bundle-Description: scala-java8-compat  
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>;description=Apache-2.0  
Bundle-ManifestVersion: 2  
Bundle-Name: scala-java8-compat  
Bundle-SymbolicName: org.scala-lang.modules.scala-java8-compat  
Bundle-Vendor: org.scala-lang.modules  
Bundle-Version: 1.0.2  
Created-By: 1.8.0\_312 (Temurin)  
Export-Package: scala.compat.java8;version="1.0.2";uses:="scala,scala.collection,scala.collection.convert,scala.compat.java8.converterImpl,scala.concurrent,scala.concurrent.duration,scala.jdk,scala.reflect,scala.runtime,scala.runtime.java8",scala.compat.java8.FunctionConverters;version="1.0.2";uses:="scala,scala.compat.java8,scala.reflect,scala.runtime",scala.compat.java8.collectionImpl;version="1.0.2";uses:="scala.collection,scala.jdk,scala.reflect",scala.compat.java8.converterImpl;version="1.0.2";uses:="scala,scala.collection,scala.collection.convert,scala.jdk,scala.reflect,scala.runtime",scala.compat.java8.functionConverterImpls;version="1.0.2";uses:="scala,scala.reflect,scala.runtime",scala.compat.java8.wrappers;version="1.0.2"  
Implementation-Title: scala-java8-compat  
Implementation-URL: <http://www.scala-lang.org/>  
Implementation-Vendor: org.scala-lang.modules  
Implementation-Vendor-Id: org.scala-lang.modules  
Implementation-Version: 1.0.2  
Import-Package: scala;version="[2.13,3)",scala.collection;version="[2.13,3)",scala.collection.convert;version="[2.13,3)",scala.collection.mutable;version="[2.13,3)",scala.compat.java8.collectionImpl;version="[1.0,2)",scala.compat.java8.converterImpl;version="[1.0,2)",scala.compat.java8.functionConverterImpls;version="[1.0,2)",scala.compat.java8.wrappers;version="[1.0,2)",scala.concurrent;version="[2.13,3)",scala.concurrent.duration;version="[2.13,3)",scala.concurrent.impl;version="[2.13,3)",scala.jdk;version="[2.13,3)",scala.jdk.javaapi;version="[

2.13,3)",scala.reflect;version="[2.13,3)",scala.runtime;version="[2.13,3)",scala.runtime.java8;version="[2.13,3)",scala.util;version="[2.13,3)"

Private-Package: scala.concurrent.java8

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: scala-java8-compat

Specification-Vendor: org.scala-lang.modules

Specification-Version: 1.0.2

Tool: Bnd-5.1.2.202007211702

Found in path(s):

\* /opt/cola/permits/1501589067\_1670483251.2627988/0/scala-java8-compat-2-13-1-0-2-2-jar/META-INF/MANIFEST.MF

# 1.654 utils 0.0.0-20221107191617-1a15be271d1d

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## 1.658 go-sysconf 0.3.11

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## 1.659 go.uber.org/atomic 1.9.0

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# 1.662 mschoch-smat 0.2.0

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# 1.663 glycerine-goconvey 0.0.0-

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# 1.664 gopherjs 0.0.0-20190910122728-9d188e94fb99

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## 1.665 platfomdirs 2.6.2

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## 1.666 httpcomponents-core 4.4.16

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## 1.667 x-time-rate 0.3.0

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# 1.675 victoriametrics-metrics 1.23.0

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# 1.676 objenesis 3.2

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# 1.677 python-setuptools 45.2.0-1ubuntu0.1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |

|               |           |      |      |         |
|---------------|-----------|------|------|---------|
| 1.6.1         | 1.6       | 2001 | CNRI | yes (2) |
| 2.1           | 2.0+1.6.1 | 2001 | PSF  | no      |
| 2.0.1         | 2.0+1.6.1 | 2001 | PSF  | yes     |
| 2.1.1         | 2.1+2.0.1 | 2001 | PSF  | yes     |
| 2.1.2         | 2.1.1     | 2002 | PSF  | yes     |
| 2.1.3         | 2.1.2     | 2002 | PSF  | yes     |
| 2.2 and above |           |      |      |         |
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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for  
National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)  
in Reston, Virginia where he released several versions of the  
software.

In May 2000, Guido and the Python core development team moved to  
BeOpen.com to form the BeOpen PythonLabs team. In October of the same  
year, the PythonLabs team moved to Digital Creations, which became  
Zope Corporation. In 2001, the Python Software Foundation (PSF, see  
<https://www.python.org/psf/>) was formed, a non-profit organization  
created specifically to own Python-related Intellectual Property.  
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All

Python releases are Open Source (see <http://www.opensource.org> for  
the Open Source Definition). Historically, most, but not all, Python  
releases have also been GPL-compatible; the table below summarizes  
the various releases.

| Release        | Derived<br>from | Year      | Owner      | GPL-<br>compatible? (1) |
|----------------|-----------------|-----------|------------|-------------------------|
| 0.9.0 thru 1.2 |                 | 1991-1995 | CWI        | yes                     |
| 1.3 thru 1.5.2 | 1.2             | 1995-1999 | CNRI       | yes                     |
| 1.6            | 1.5.2           | 2000      | CNRI       | no                      |
| 2.0            | 1.6             | 2000      | BeOpen.com | no                      |
| 1.6.1          | 1.6             | 2001      | CNRI       | yes (2)                 |
| 2.1            | 2.0+1.6.1       | 2001      | PSF        | no                      |
| 2.0.1          | 2.0+1.6.1       | 2001      | PSF        | yes                     |
| 2.1.1          | 2.1+2.0.1       | 2001      | PSF        | yes                     |
| 2.1.2          | 2.1.1           | 2002      | PSF        | yes                     |
| 2.1.3          | 2.1.2           | 2002      | PSF        | yes                     |
| 2.2 and above  | 2.1.1           | 2001-now  | PSF        | yes                     |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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`validate-pyproject`

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# 1.678 go-openapi-jsonreference 0.20.2

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## 1.680 six 1.14.0-2

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## 1.681 python-certifi 2019.11.28-1

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

# 1.682 go-units 0.5.0

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GSS-API mechglue layer.

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@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

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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DES core in libcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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lib/hcrypto/test\_dh.c

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## 1.706 gnutls 3.6.13-2ubuntu1.8

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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\* /opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/events/Event.java

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/opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/constructor/DuplicateKeyException.java

\* /opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/CompactConstructor.java

\* /opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/comments/CommentType.java

\* /opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/introspector/GenericProperty.java

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\* /opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java  
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Found in path(s):

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/**
 * A Base64 encoder/decoder.
 *
 * <p>
 * This class is used to encode and decode data in Base64 format as described in RFC 1521.
 *
 * <p>
 * Project home page: www.
 * source-code.biz/base64coder/java

```

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Found in path(s):

\* /opt/cola/permits/1584157893\_1677999786.1262538/0/snakeyaml-2-0-sources-jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java

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## 1.732 jose4j 0.9.3

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/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/MalformedClaimException.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/EllipticCurves.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/EcJwkGenerator.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/OctetSequenceJsonWebKey.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/ReservedClaimNames.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/lang/HashUtil.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/ContentEncryptionAlgorithmIdentifiers.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwa/Algorithm.java



\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/ErrorCodes.java  
\*  
/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/JwtConsumerBuilder.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/zip/CompressionAlgorithm.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/JtiValidator.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/HmacKey.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/ErrorCodeValidatorAdapter.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwx/CompactSerializer.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/SimpleKeyResolver.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/lang/ExceptionHelp.java  
\*  
/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/KeyPersuasion.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/lang/JsonHelp.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/ContentEncryptionKeyDescriptor.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/kdf/PasswordBasedKeyDerivationFunction2.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwt/consumer/NumericDateValidator.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/VerificationJwkSelector.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/resolvers/JwksVerificationKeyResolver.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jws/BaseSignatureAlgorithm.java  
\*  
/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/RsaJwkGenerator.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/AesGcmKeyEncryptionAlgorithm.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/ContentEncryptionAlgorithm.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/keys/resolvers/JwksDecryptionKeyResolver.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jws/HmacUsingShaAlgorithm.java  
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\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-  
jar/org/jose4j/jwe/kdf/ConcatKeyDerivationFunction.java  
\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-  
jar/org/jose4j/jwe/kdf/ConcatKeyDerivationFunctionFactory.java  
\*  
/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwe/kdf/KdfUtil.java  
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jar/org/jose4j/base64url/internal/apache/commons/codec/binary/Base64.java  
\*

/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/base64url/internal/apache/commons/codec/binary/BaseNCodec.java

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\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/SelectorSupport.java

\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/DecryptionJwkSelector.java

\*

/opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/SimpleJwkFilter.java

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\* /opt/cola/permits/1587692654\_1678323499.4437757/0/jose4j-0-9-3-sources-jar/org/jose4j/jwk/HttpsJwks.java

# 1.733 go-ole-go-ole 1.2.6

## 1.733.1 Available under license :

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# 1.734 apache-http-server 2.4.41-4ubuntu3.14

## 1.734.1 Available under license :

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXX
X
 This file is generated from xml source: DO NOT EDIT
XXX
X
-->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
```



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</div>
</div>
<div class="bottomlang">
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class="section"><h2>Comments</h2><div
class="warning">Notice:
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<script type="text/javascript"><!--><![CDATA[</script><!--
var comments_shortname = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
(function(w, d) {
 if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
 d.write('<div id="comments_thread"></div>');
 var s = d.createElement('script');
 s.type = 'text/javascript';
 s.async = true;
 s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortname + '&page=' +
comments_identifier;
 (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
 }
 else {
 d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
 }
})(window, document);
--><![</script></div><div id="footer">
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```
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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)  
Michael Campanella (campanella@stevms.enet.dec.com)

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

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Author: Per Bothner

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```
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## 1.738 kubernetes-klog 2.90.1

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Files: internal/snapref/\*

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Files: s2/cmd/internal/filepathx/\*

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\* /opt/cola/permits/1594592384\_1678980969.0263424/0/jmx-prometheus-javaagent-0-18-0-sources-jar/META-INF/maven/io.prometheus/simpleclient\_tracer\_common/pom.xml

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\* /opt/cola/permits/1594592384\_1678980969.0263424/0/jmx-prometheus-javaagent-0-18-0-sources-jar/META-INF/maven/io.prometheus/simpleclient/pom.xml

\* /opt/cola/permits/1594592384\_1678980969.0263424/0/jmx-prometheus-javaagent-0-18-0-sources-jar/META-INF/maven/io.prometheus/simpleclient\_tracer\_otel/pom.xml

\*

/opt/cola/permits/1594592384\_1678980969.0263424/0/jmx-prometheus-javaagent-0-18-0-sources-jar/META-INF/maven/io.prometheus/simpleclient\_httpserver/pom.xml

\* /opt/cola/permits/1594592384\_1678980969.0263424/0/jmx-prometheus-javaagent-0-18-0-sources-jar/META-INF/maven/io.prometheus.jmx/jmx\_prometheus\_javaagent\_common/pom.xml

\* /opt/cola/permits/1594592384\_1678980969.0263424/0/jmx-prometheus-javaagent-0-18-0-sources-jar/META-INF/maven/io.prometheus/simpleclient\_hotspot/pom.xml

# 1.746 collector 0.18.0

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# 1.747 jmx\_prometheus\_javaagent\_common 0.18.0

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# 1.748 base-files 11ubuntu5.7

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Version 3, 29 June 2007

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# 1.749 jetty-util 9.4.51.v20230217

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\* org.eclipse.jetty.orbit:javafx.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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#### Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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#### OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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#### Apache

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- org.apache.taglibs:taglibs-standard-spec
- org.apache.taglibs:taglibs-standard-impl

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#### MortBay

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- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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  
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lib/libgss/g\_delete\_sec\_context.c  
lib/libgss/g\_dsp\_name.c  
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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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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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(By Douglas Crockford <douglas@crockford.com>)
```

-----  
For lib/cpp/src/thrift/windows/SocketPair.cpp

```
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 */
```

-----  
For lib/py/compat/win32/stdint.h

```
// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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////////////////////////////////////
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in t\_html\_generator.h

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```

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# 1.761 grpc-go 1.54.0

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Found in path(s):

\* /opt/cola/permits/1617269193\_1679983059.309886/0/jline-remote-ssh-3-22-0-sources-  
jar/org/jline/builtins/ssh/ShellCommand.java  
\* /opt/cola/permits/1617269193\_1679983059.309886/0/jline-remote-ssh-3-22-0-sources-  
jar/org/jline/builtins/ssh/ShellFactoryImpl.java  
\* /opt/cola/permits/1617269193\_1679983059.309886/0/jline-remote-ssh-3-22-0-sources-  
jar/org/jline/builtins/ssh/Ssh.java

# 1.763 jline-terminal-jna 3.22.0

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\* /opt/cola/permits/1617269230\_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-  
jar/org/jline/terminal/impl/jna/win/JnaWinConsoleWriter.java

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* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/win/Kernel32.java
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* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/osx/CLibrary.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/win/JnaWinSysTerminal.java
*
/opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/JnaTerminalProvider.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/JnaNativePty.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/linux/CLibrary.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/linux/LinuxNativePty.java
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-
jar/org/jline/terminal/impl/jna/solaris/CLibrary.java
```



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class = org.jline.terminal.impl.jna.JnaTerminalProvider
```

Found in path(s):

```
* /opt/cola/permits/1617269230_1681870932.9341993/0/jline-terminal-jna-3-22-0-sources-jar/META-INF/services/org.jline.terminal.provider/jna
```

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```
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Reference.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Expander.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/UndoTree.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/completer/package-info.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
```

jar/org/jline/reader/impl/history/package-info.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Binding.java  
\*  
/opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Widget.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/completer/NullCompleter.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/keymap/KeyMap.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/completer/EnumCompleter.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/completer/AggregateCompleter.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/UserInterruptedException.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/package-info.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/DefaultExpander.java  
\*  
/opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Macro.java  
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\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/SyntaxError.java  
\*  
/opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/EOFError.java

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* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/impl/ReaderUtils.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/impl/DefaultParser.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/impl/completer/SystemCompleter.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/EndOfFileException.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/CompletionMatcher.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/LineReaderBuilder.java
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* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/impl/completer/StringsCompleter.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Editor.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/Candidate.java
* /opt/cola/permits/1617269091_1681873197.576139/0/jline-reader-3-22-0-sources-
jar/org/jline/reader/impl/completer/ArgumentCompleter.java
```

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```

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Found in path(s):

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/SimpleMaskingCallback.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Buffer.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/BufferImpl.java

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\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/KillRing.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/keymap/BindingReader.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/ParsedLine.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/completer/FileNameCompleter.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/CompletingParsedLine.java  
\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/History.java  
\*

/opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Completer.java

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/MaskingCallback.java

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\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Parser.java

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/LineReader.java

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/Highlighter.java

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/CompletionMatcherImpl.java

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/PrintAboveWriter.java

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/history/DefaultHistory.java

\*

/opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/DefaultHighlighter.java

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Found in path(s):

\* /opt/cola/permits/1617269091\_1681873197.576139/0/jline-reader-3-22-0-sources-jar/org/jline/reader/impl/LineReaderImpl.java

## 1.765 jline-style 3.22.0

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Found in path(s):

- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/MemoryStyleSource.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleColor.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleBundle.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyledWriter.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleBundleInvocationHandler.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleResolver.java
- \*
- /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/InterpolationHelper.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/NopStyleSource.java

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Found in path(s):

- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleSource.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/Styler.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleExpression.java
- \* /opt/cola/permits/1617269244\_1681870938.5790405/0/jline-style-3-22-0-sources-jar/org/jline/style/StyleFactory.java

# 1.766 jline-terminal 3.22.0

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Found in path(s):

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/spi/TerminalProvider.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/Diag.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/exec/ExecTerminalProvider.java

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/utils/Status.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/AbstractWindowsTerminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/utils/InfoCmp.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/AbstractPty.java

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#

black

maroon

green

olive

navy

purple

teal  
silver  
grey  
red  
lime  
yellow  
blue  
fuchsia  
aqua  
white  
grey0  
navyblue  
darkblue  
blue3  
blue3a  
blue1  
darkgreen  
deepskyblue4  
deepskyblue4a  
deepskyblue4b  
dodgerblue3  
dodgerblue2  
green4  
springgreen4  
turquoise4  
deepskyblue3  
deepskyblue3a  
dodgerblue1  
green3  
springgreen3  
darkcyan  
lightseagreen  
deepskyblue2  
deepskyblue1  
green3a  
springgreen3a  
springgreen2  
cyan3  
darkturquoise  
turquoise2  
green1  
springgreen2a  
springgreen1  
mediumspringgreen  
cyan2  
cyan1  
darkred  
deppink4



purple4  
purple4a  
purple3  
blueviolet  
orange4  
grey37  
mediumpurple4  
slateblue3  
slateblue3a  
royalblue1  
chartreuse4  
darkseagreen4  
paleturquoise4  
steelblue  
steelblue3  
cornflowerblue  
chartreuse3  
darkseagreen4a  
cadetblue  
cadetbluea  
skyblue3  
steelblue1  
chartreuse3a  
palegreen3  
seagreen3  
aquamarine3  
mediumturquoise  
steelblue1a  
chartreuse2  
seagreen2  
seagreen1  
seagreen1a  
aquamarine1  
darkslategray2  
darkreda  
deppink4a  
darkmagenta  
darkmagentaa  
darkviolet  
purplea  
orange4a  
lightpink4  
plum4  
mediumpurple3  
mediumpurple3a  
slateblue1  
yellow4  
wheat4

grey53  
lightslategrey  
mediumpurple  
lightslateblue  
yellow4a  
darkolivegreen3  
darkseagreen  
lightskyblue3  
lightskyblue3a  
skyblue2  
chartreuse2a  
darkolivegreen3a  
palegreen3a  
darkseagreen3  
darkslategray3  
skyblue1  
chartreuse1  
lightgreen  
lightgreena  
palegreen1  
aquamarine1a  
darkslategray1  
red3  
deeppink4b  
mediumvioletred  
magenta3  
darkvioleta  
purpleb  
darkorange3  
indianred  
hotpink3  
mediumorchid3  
mediumorchid  
mediumpurple2  
darkgoldenrod  
lightsalmon3  
rosybrown  
grey63  
mediumpurple2a  
mediumpurple1  
gold3  
darkkhaki  
navajowhite3  
grey69  
lightsteelblue3  
lightsteelblue  
yellow3  
darkolivegreen3b

darkseagreen3a  
darkseagreen2  
lightcyan3  
lightskyblue1  
greenyellow  
darkolivegreen2  
palegreen1a  
darkseagreen2a  
darkseagreen1  
paleturquoise1  
red3a  
deeppink3  
deeppink3a  
magenta3a  
magenta3b  
magenta2  
darkorange3a  
indianreda  
hotpink3a  
hotpink2  
orchid  
mediumorchid1  
orange3  
lightsalmon3a  
lightpink3  
pink3  
plum3  
violet  
gold3a  
lightgoldenrod3  
tan  
mistyrose3  
thistle3  
plum2  
yellow3a  
khaki3  
lightgoldenrod2  
lightyellow3  
grey84  
lightsteelblue1  
yellow2  
darkolivegreen1  
darkolivegreen1a  
darkseagreen1a  
honeydew2  
lightcyan1  
red1  
deeppink2

deeppink1  
deeppink1a  
magenta2a  
magenta1  
orangered1  
indianred1  
indianred1a  
hotpink  
hotpinka  
mediumorchid1a  
darkorange  
salmon1  
lightcoral  
palevioletred1  
orchid2  
orchid1  
orange1  
sandybrown  
lightsalmon1  
lightpink1  
pink1  
plum1  
gold1  
lightgoldenrod2a  
lightgoldenrod2b  
navajowhite1  
mistyrose1  
thistle1  
yellow1  
lightgoldenrod1  
khaki1  
wheat1  
cornsilk1  
grey100  
grey3  
grey7  
grey11  
grey15  
grey19  
grey23  
grey27  
grey30  
grey35  
grey39  
grey42  
grey46  
grey50  
grey54

grey58  
grey62  
grey66  
grey70  
grey74  
grey78  
grey82  
grey85  
grey89  
grey93

#### Found

in path(s):

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/colors.txt

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/PumpReader.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlockingPumpReader.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlockingPumpInputStream.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/WriterOutputStream.java

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class = org.jline.terminal.impl.exec.ExecTerminalProvider
```

Found in path(s):

```
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/META-
INF/services/org/jline/terminal/provider/exec
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#
```

```
auto_left_margin, bw, bw
auto_right_margin, am, am
back_color_erase, bce, ut
can_change, ccc, cc
ceol_standout_glitch, xhp, xs
col_addr_glitch, xhpa, YA
cpi_changes_res, cpix, YF
cr_cancels_micro_mode, crxm, YB
dest_tabs_magic_sms0, xt, xt
eat_newline_glitch, xenl, xn
erase_overstrike, eo, eo
generic_type, gn, gn
hard_copy, hc, hc
hard_cursor, chts, HC
has_meta_key, km, km
has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
memory_above, da, da
memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
needs_xon_xoff, nxon, nx
no_esc_ctlc, xsb, xb
no_pad_char, npc,
```

NP

non\_dest\_scroll\_region, ndscr, ND  
non\_rev\_rmcup, nrrmc, NR  
over\_strike, os, os  
prtr\_silent, mc5i, 5i  
row\_addr\_glitch, xvpa, YD  
semi\_auto\_right\_margin, sam, YE  
status\_line\_esc\_ok, eslok, es  
tilde\_glitch, hz, hz  
transparent\_underline, ul, ul  
xon\_xoff, xon, xo  
columns, cols, co  
init\_tabs, it, it  
label\_height, lh, lh  
label\_width, lw, lw  
lines, lines, li  
lines\_of\_memory, lm, lm  
magic\_cookie\_glitch, xmc, sg  
max\_attributes, ma, ma  
max\_colors, colors, Co  
max\_pairs, pairs, pa  
maximum\_windows, wnum, MW  
no\_color\_video, ncv, NC  
num\_labels, nlab, Nl  
padding\_baud\_rate, pb, pb  
virtual\_terminal, vt, vt  
width\_status\_line, wsl, ws  
bit\_image\_entwining, bitwin, Yo  
bit\_image\_type, bitype, Yp  
buffer\_capacity, bufisz, Ya  
buttons, btns, BT  
dot\_horz\_spacing, spinh, Yc  
dot\_vert\_spacing, spinv, Yb  
max\_micro\_address, maddr, Yd  
max\_micro\_jump, mjump, Ye  
micro\_col\_size, mcs, Yf  
micro\_line\_size, mls, Yg  
number\_of\_pins, npins, Yh  
output\_res\_char, orc, Yi  
output\_res\_horz\_inch, orhi, Yk  
output\_res\_line, orl, Yj  
output\_res\_vert\_inch,  
orvi, Yl  
print\_rate, cps, Ym  
wide\_char\_size, widcs, Yn  
acs\_chars, acsc, ac  
back\_tab, cbt, bt  
bell, bel, bl

carriage\_return, cr, cr  
change\_char\_pitch, cpi, ZA  
change\_line\_pitch, lpi, ZB  
change\_res\_horz, chr, ZC  
change\_res\_vert, cvr, ZD  
change\_scroll\_region, csr, cs  
char\_padding, rmp, rP  
clear\_all\_tabs, tbc, ct  
clear\_margins, mgc, MC  
clear\_screen, clear, cl  
clr\_bol, e11, cb  
clr\_eol, el, ce  
clr\_eos, ed, cd  
column\_address, hpa, ch  
command\_character, cmdch, CC  
create\_window, cwin, CW  
cursor\_address, cup, cm  
cursor\_down, cud1, do  
cursor\_home, home, ho  
cursor\_invisible, civis, vi  
cursor\_left, cub1, le  
cursor\_mem\_address, mrcup, CM  
cursor\_normal, cnorm, ve  
cursor\_right, cuf1, nd  
cursor\_to\_ll, ll, ll  
cursor\_up, cuu1, up  
cursor\_visible, cvvis, vs  
define\_char, defc, ZE  
delete\_character, dch1, dc  
delete\_line, dl1, dl  
dial\_phone, dial, DI  
dis\_status\_line, dsl, ds  
display\_clock, dclk, DK  
down\_half\_line, hd, hd  
ena\_acs, enacs, eA  
enter\_alt\_charset\_mode, smacs, as  
enter\_am\_mode, smam,  
SA  
enter\_blink\_mode, blink, mb  
enter\_bold\_mode, bold, md  
enter\_ca\_mode, smcup, ti  
enter\_delete\_mode, smdc, dm  
enter\_dim\_mode, dim, mh  
enter\_doublewide\_mode, swidm, ZF  
enter\_draft\_quality, sdrfq, ZG  
enter\_insert\_mode, smir, im  
enter\_italics\_mode, sitm, ZH  
enter\_leftward\_mode, slm, ZI



enter\_micro\_mode, smicm, ZJ  
enter\_near\_letter\_quality, snlq, ZK  
enter\_normal\_quality, snrmq, ZL  
enter\_protected\_mode, prot, mp  
enter\_reverse\_mode, rev, mr  
enter\_secure\_mode, invis, mk  
enter\_shadow\_mode, sshm, ZM  
enter\_standout\_mode, smso, so  
enter\_subscript\_mode, ssubm, ZN  
enter\_superscript\_mode, ssupm, ZO  
enter\_underline\_mode, smul, us  
enter\_upward\_mode, sum, ZP  
enter\_xon\_mode, smxon, SX  
erase\_chars, ech, ec  
exit\_alt\_charset\_mode, rmacs, ae  
exit\_am\_mode, rmam, RA  
exit\_attribute\_mode, sgr0, me  
exit\_ca\_mode, rmcup, te  
exit\_delete\_mode, rmdc, ed  
exit\_doublewide\_mode, rwidm, ZQ  
exit\_insert\_mode, rmir, ei  
exit\_italics\_mode, ritm, ZR  
exit\_leftward\_mode, rlm, ZS  
exit\_micro\_mode, rmicm, ZT  
exit\_shadow\_mode, rshm,  
ZU  
exit\_standout\_mode, rmso, se  
exit\_subscript\_mode, rsubm, ZV  
exit\_superscript\_mode, rsupm, ZW  
exit\_underline\_mode, rmul, ue  
exit\_upward\_mode, rum, ZX  
exit\_xon\_mode, rmxon, RX  
fixed\_pause, pause, PA  
flash\_hook, hook, fh  
flash\_screen, flash, vb  
form\_feed, ff, ff  
from\_status\_line, fsl, fs  
goto\_window, wingo, WG  
hangup, hup, HU  
init\_1string, is1, i1  
init\_2string, is2, is  
init\_3string, is3, i3  
init\_file, if, if  
init\_prog, iprog, iP  
initialize\_color, initc, Ic  
initialize\_pair, initp, Ip  
insert\_character, ich1, ic  
insert\_line, il1, al

insert\_padding, ip, ip  
key\_a1, ka1, K1  
key\_a3, ka3, K3  
key\_b2, kb2, K2  
key\_backspace, kbs, kb  
key\_beg, kbeg, @1  
key\_btab, kcbt, kB  
key\_c1, kc1, K4  
key\_c3, kc3, K5  
key\_cancel, kcan, @2  
key\_catab, ktbc, ka  
key\_clear, kclr, kC  
key\_close, kclo, @3  
key\_command, kcmd, @4  
key\_copy, kcpy, @5  
key\_create, kcrt, @6  
key\_ctab, kctab, kt  
key\_dc, kdch1, kD  
key\_dl, kdl1, kL  
key\_down, kcud1, kd  
key\_eic, krmir, kM  
key\_end, kend, @7  
key\_enter, kent, @8  
key\_eol, kel, kE  
key\_eos,  
ked, kS  
key\_exit, kext, @9  
key\_f0, kf0, k0  
key\_f1, kf1, k1  
key\_f10, kf10, k;  
key\_f11, kf11, F1  
key\_f12, kf12, F2  
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key\_f14, kf14, F4  
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key\_f27, kf27, FH

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key\_f52, kf52, Fg  
key\_f53, kf53, Fh  
key\_f54, kf54, Fi  
key\_f55, kf55, Fj  
key\_f56, kf56, Fk  
key\_f57, kf57, Fl  
key\_f58, kf58,  
Fm  
key\_f59, kf59, Fn  
key\_f6, kf6, k6  
key\_f60, kf60, Fo  
key\_f61, kf61, Fp  
key\_f62, kf62, Fq  
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key\_find, kfnd, @0  
key\_help, khlp, %1  
key\_home, khome, kh  
key\_ic, kich1, kI

key\_il, kil, kA  
key\_left, kcub1, kl  
key\_ll, kll, kH  
key\_mark, kmrk, %2  
key\_message, kmsg, %3  
key\_move, kmov, %4  
key\_next, knxt, %5  
key\_npage, knp, kN  
key\_open, kopn, %6  
key\_options, kopt, %7  
key\_ppage, kpp, kP  
key\_previous, kprv, %8  
key\_print, kpri, %9  
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key\_refresh, krfr, &2  
key\_replace, krpl, &3  
key\_restart, krst, &4  
key\_resume, kres, &5  
key\_right, kcuf1, kr  
key\_save, ksav, &6  
key\_sbeg, kBEG, &9  
key\_scancel, kCAN, &0  
key\_scommand, kCMD, \*1  
key\_scopy, kCPY, \*2  
key\_screate, kCRT, \*3  
key\_sdc, kDC, \*4  
key\_sdl, kDL, \*5  
key\_select, kslt, \*6  
key\_send, kEND, \*7  
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key\_sleft, kLFT, #4  
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kMSG, %a  
key\_smove, kMOV, %b  
key\_snext, kNXT, %c  
key\_soptions, kOPT, %d  
key\_sprevious, kPRV, %e  
key\_sprint, kPRT, %f  
key\_sr, kri, kR  
key\_sredo, kRDO, %g  
key\_sreplace, kRPL, %h

key\_sright, kRIT, %i  
key\_srsrsume, kRES, %j  
key\_ssava, kSAV, !1  
key\_ssuspend, kSPD, !2  
key\_stab, khts, kT  
key\_sundo, kUND, !3  
key\_suspend, kspd, &7  
key\_undo, kund, &8  
key\_up, kcuu1, ku  
keypad\_local, rmkx, ke  
keypad\_xmit, smkx, ks  
lab\_f0, lf0, l0  
lab\_f1, lf1, l1  
lab\_f10, lf10, la  
lab\_f2, lf2, l2  
lab\_f3, lf3, l3  
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lab\_f5, lf5, l5  
lab\_f6, lf6, l6  
lab\_f7, lf7, l7  
lab\_f8, lf8, l8  
lab\_f9, lf9, l9  
label\_format, fln, Lf  
label\_off, rmln, LF  
label\_on, smln, LO  
meta\_off, rmm, mo  
meta\_on, smm, mm  
micro\_column\_address, mhpa, ZY  
micro\_down, mcud1, ZZ  
micro\_left, mcub1, Za  
micro\_right, mcuf1, Zb  
micro\_row\_address, mvpa, Zc  
micro\_up, mciu1, Zd  
newline, nel, nw  
order\_of\_pins, porder, Ze  
orig\_colors, oc, oc  
orig\_pair, op, op  
pad\_char, pad, pc  
parm\_dch, dch, DC  
parm\_delete\_line, dl, DL  
parm\_down\_cursor, cud, DO  
parm\_down\_micro,  
mcud, Zf  
parm\_ich, ich, IC  
parm\_index, indn, SF  
parm\_insert\_line, il, AL  
parm\_left\_cursor, cub, LE  
parm\_left\_micro, mcub, Zg

parm\_right\_cursor, cuf, RI  
parm\_right\_micro, mcuf, Zh  
parm\_rindex, rin, SR  
parm\_up\_cursor, cuu, UP  
parm\_up\_micro, mcuu, Zi  
pkey\_key, pfkey, pk  
pkey\_local, pfloc, pl  
pkey\_xmit, pfx, px  
plab\_norm, pln, pn  
print\_screen, mc0, ps  
prtr\_non, mc5p, pO  
prtr\_off, mc4, pf  
prtr\_on, mc5, po  
pulse, pulse, PU  
quick\_dial, qdial, QD  
remove\_clock, rmclk, RC  
repeat\_char, rep, rp  
req\_for\_input, rfi, RF  
reset\_1string, rs1, r1  
reset\_2string, rs2, r2  
reset\_3string, rs3, r3  
reset\_file, rf, rf  
restore\_cursor, rc, rc  
row\_address, vpa, cv  
save\_cursor, sc, sc  
scroll\_forward, ind, sf  
scroll\_reverse, ri, sr  
select\_char\_set, scs, Zj  
set\_attributes, sgr, sa  
set\_background, setb, Sb  
set\_bottom\_margin, smgb, Zk  
set\_bottom\_margin\_parm, smgbp, Zl  
set\_clock, sclk, SC  
set\_color\_pair, scp, sp  
set\_foreground, setf, Sf  
set\_left\_margin, smgl, ML  
set\_left\_margin\_parm, smglp, Zm  
set\_right\_margin,  
smgr, MR  
set\_right\_margin\_parm, smgrp, Zn  
set\_tab, hts, st  
set\_top\_margin, smgt, Zo  
set\_top\_margin\_parm, smgtp, Zp  
set\_window, wind, wi  
start\_bit\_image, sbim, Zq  
start\_char\_set\_def, scsd, Zr  
stop\_bit\_image, rbim, Zs  
stop\_char\_set\_def, rcsd, Zt

subscript\_characters, subcs, Zu  
superscript\_characters, supcs, Zv  
tab, ht, ta  
these\_cause\_cr, docr, Zw  
to\_status\_line, tsl, ts  
tone, tone, TO  
underline\_char, uc, uc  
up\_half\_line, hu, hu  
user0, u0, u0  
user1, u1, u1  
user2, u2, u2  
user3, u3, u3  
user4, u4, u4  
user5, u5, u5  
user6, u6, u6  
user7, u7, u7  
user8, u8, u8  
user9, u9, u9  
wait\_tone, wait, WA  
xoff\_character, xoffc, XF  
xon\_character, xonc, XN  
zero\_motion, zerom, Zx  
alt\_scancode\_esc, scesa, S8  
bit\_image\_carriage\_return, bicr, Yv  
bit\_image\_newline, binel, Zz  
bit\_image\_repeat, birep, Xy  
char\_set\_names, csnm, Zy  
code\_set\_init, csin, ci  
color\_names, colorm, Yw  
define\_bit\_image\_region, defbi, Yx  
device\_type, devt, dv  
display\_pc\_char, dispc, S1  
end\_bit\_image\_region, endbi, Yy  
enter\_pc\_charset\_mode,  
smpch, S2  
enter\_scancode\_mode, smsc, S4  
exit\_pc\_charset\_mode, rmpch, S3  
exit\_scancode\_mode, rMSC, S5  
get\_mouse, getm, Gm  
key\_mouse, kmous, Km  
mouse\_info, minfo, Mi  
pc\_term\_options, pctrm, S6  
pkey\_plab, pfxl, xl  
req\_mouse\_pos, reqmp, RQ  
scancode\_escape, scesc, S7  
set0\_des\_seq, s0ds, s0  
set1\_des\_seq, s1ds, s1  
set2\_des\_seq, s2ds, s2

set3\_des\_seq, s3ds, s3  
set\_a\_background, setab, AB  
set\_a\_foreground, setaf, AF  
set\_color\_band, setcolor, Yz  
set\_lr\_margin, smglr, ML  
set\_page\_length, slines, YZ  
set\_tb\_margin, smgtb, MT  
enter\_horizontal\_hl\_mode, ehhl, Xh  
enter\_left\_hl\_mode, elhl, Xl  
enter\_low\_hl\_mode, elohlm, Xo  
enter\_right\_hl\_mode, erhl, Xr  
enter\_top\_hl\_mode, ethl, Xt  
enter\_vertical\_hl\_mode, evhl, Xv  
set\_a\_attributes, sgr1, sA  
set\_pglen\_inch, slength, sL

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/capabilities.txt

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlocking.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlockingInputStreamImpl.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/LineDisciplineTerminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/StyleResolver.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/PosixSysTerminal.java

\*

/opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/PosixPtyTerminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/ExternalTerminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/terminal/terminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/DumbTerminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlockingReaderImpl.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlockingInputStream.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/Timeout.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/AttributedStringBuilder.java

\*

/opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/terminal/terminal.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/NonBlockingReader.java

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/Display.java

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/Cursor.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/ExecPty.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/ClosedException.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/package-info.java

\*

/opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/ShutdownHooks.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/AttributedString.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/terminal/impl/CursorSupport.java

\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/OSUtils.java

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\* /opt/cola/permits/1617269369\_1679983090.4024625/0/jline-terminal-3-22-0-sources-jar/org/jline/Utils/ExecHelper.java

```
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/terminal/impl/MouseSupport.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/terminal/Attributes.java
*
/opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/utils/InputStreamReader.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/terminal/MouseEvent.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/terminal/spi/Pty.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/utils/WCWidth.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/terminal/impl/NativeSignalHandler.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/utils/DiffHelper.java
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* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/terminal/TerminalBuilder.java
* /opt/cola/permits/1617269369_1679983090.4024625/0/jline-terminal-3-22-0-sources-
jar/org/jline/utils/AttributedCharSequence.java
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jar/org/jline/builtins/telnet/ConnectionFilter.java  
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/opt/cola/permits/1617269336\_1681870942.7113671/0/jline-remote-telnet-3-22-0-sources-  
jar/org/jline/builtins/telnet/ConnectionListener.java

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 jar/org/jline/builtins/telnet/PortListener.java  
 \*  
 /opt/cola/permits/1617269336\_1681870942.7113671/0/jline-remote-telnet-3-22-0-sources-  
 jar/org/jline/builtins/telnet/ConnectionData.java  
 \* /opt/cola/permits/1617269336\_1681870942.7113671/0/jline-remote-telnet-3-22-0-sources-  
 jar/org/jline/builtins/telnet/TelnetIO.java  
 \* /opt/cola/permits/1617269336\_1681870942.7113671/0/jline-remote-telnet-3-22-0-sources-  
 jar/org/jline/builtins/telnet/Connection.java  
 \* /opt/cola/permits/1617269336\_1681870942.7113671/0/jline-remote-telnet-3-22-0-sources-  
 jar/org/jline/builtins/telnet/ConnectionEvent.java

```
* /opt/cola/permits/1617269336_1681870942.7113671/0/jline-remote-telnet-3-22-0-sources-
jar/org/jline/builtins/telnet/ConnectionManager.java
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## 1.768 jline-builtins 3.22.0

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\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-jar/org/jline/builtins/SyntaxHighlighter.java

\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-jar/org/jline/builtins/Source.java

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\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-  
jar/org/jline/builtins/InputRC.java  
\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-  
jar/org/jline/builtins/NfaMatcher.java

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jar/org/jline/builtins/Options.java

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\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-jar/org/jline/builtins/Completers.java  
\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-jar/org/jline/builtins/TTop.java  
\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-jar/org/jline/builtins/Styles.java  
\* /opt/cola/permits/1617269052\_1681870941.6195126/0/jline-builtins-3-22-0-sources-jar/org/jline/builtins/ConsoleOptionGetter.java

## 1.769 jline-terminal-jansi 3.22.0

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\* /opt/cola/permits/1617269406\_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-jar/org/jline/terminal/impl/jansi/win/WindowsAnsiWriter.java  
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jar/org/jline/terminal/impl/jansi/win/JansiWinSysTerminal.java
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-
jar/org/jline/terminal/impl/jansi/JansiNativePty.java
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-
jar/org/jline/terminal/impl/jansi/JansiTerminalProvider.java
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class = org.jline.terminal.impl.jansi.JansiTerminalProvider
```

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```
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-jar/META-
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```

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jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-
jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-
jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-
jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java
* /opt/cola/permits/1617269406_1681865105.007936/0/jline-terminal-jansi-3-22-0-sources-
jar/org/jline/terminal/impl/jansi/osx/OsXNativePty.java
```

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\* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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\* org.eclipse.jetty.orbit:javax.security.auth.message

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\* org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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org.ow2.asm:asm-commons

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org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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Eclipse

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- \* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

- \* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- \* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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# 1.774 jetty-util-ajax 9.4.51.v20230217

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The following artifacts are EPL.

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The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message



The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit:javafx.mail.glassfish

-----

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

-----

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

-----

## MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

-----

## Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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## Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

# 1.775 jetty 9.4.51.v20230217

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\* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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## Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

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org.apache.taglibs:taglibs-standard-spec

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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Found in path(s):

```
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/html/HTMLLayoutBase.java
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/status/OnErrorConsoleStatusListener.java
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/rolling/FixedWindowRollingPolicy.java
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/joran/spi/XMLUtil.java
*
/opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/rolling/SizeAndTimeBasedFNATP.java
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/sift/DefaultDiscriminator.java
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/spi/PreSerializationTransformer.java
* /opt/cola/permits/1627232265_1680652209.6499386/0/logback-core-1-2-12-sources-
jar/ch/qos/logback/core/pattern/color/BlackCompositeConverter.java
```

\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/util/SystemInfo.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/rolling/TriggeringPolicy.java  
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\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/node/ComponentNode.java  
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\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/SyslogAppenderBase.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/pattern/PatternLayoutEncoderBase.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/pattern/parser/OptionTokenizer.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/LoginAuthenticator.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/pattern/color/BoldWhiteCompositeConverter.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/rolling/helper/MonoTypedConverter.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/Appender.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/Layout.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/pattern/IdentityCompositeConverter.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/rolling/helper/FileStoreUtil.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/AbstractSocketAppender.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/rolling/helper/FileFilterUtil.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/spi/ContextAware.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/action/NOPAction.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/QueueFactory.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/server/ServerRunner.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/helpers/NOPAppender.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/event/EndEvent.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/AbstractSSLSocketAppender.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/spi/DefaultNestedComponentRegistry.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/pattern/parser/SimpleKeywordNode.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/spi/LifeCycle.java  
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\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/rolling/TimeBasedRollingPolicy.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/sift/AppenderTracker.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/status/OnConsoleStatusListener.java  
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\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/event/StartEvent.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/hook/ShutdownHook.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/action/TimestampAction.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/event/InPlayListener.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/util/DefaultInvocationGate.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicyBase.java  
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\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/net/ssl/SSLParametersConfiguration.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/pattern/parser/Token.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/html/NOPTrowableRenderer.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/spi/ElementSelector.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/subst/Parser.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/spi/ActionException.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/spi/ContextAwareImpl.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/subst/Token.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/action/IncludeAction.java  
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/opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/GenericConfigurator.java  
\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/joran/spi/NoAutoStartUtil.java  
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\* /opt/cola/permits/1627232265\_1680652209.6499386/0/logback-core-1-2-12-sources-jar/ch/qos/logback/core/sift/AppenderFactory.java  
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jar/ch/qos/logback/core/FileAppender.java
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jar/ch/qos/logback/core/pattern/parser/Compiler.java
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jar/ch/qos/logback/core/rolling/SizeBasedTriggeringPolicy.java
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jar/ch/qos/logback/core/status/StatusBase.java
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/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/txn/Txn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/txn/CreateTxnV0.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/ConnectRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetChildrenRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/ReconfigRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/data/StatPersisted.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetSASLRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/Create2Response.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetAllChildrenNumberRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/DeleteRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/txn/CloseSessionTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/AddWatchRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetChildren2Request.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetACLRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/data/Id.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/SetACLResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/CheckVersionRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/ExistsRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/ExistsResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetDataRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetEphemeralsRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/zookeeper/proto/GetMaxChildrenResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-

jar/org/apache/zookeeper/proto/SetDataRequest.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/CreateTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/SetMaxChildrenTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/RemoveWatchesRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/SetMaxChildrenRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/GetAllChildrenNumberResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/MultiTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/CreateContainerTxn.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/SetDataResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/AuthPacket.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/data/Stat.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/GetACLResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/data/ACL.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/SyncResponse.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/SetWatches2.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/QuorumPacket.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/QuorumAuthPacket.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/SetDataTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/CheckWatchesRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/CheckVersionTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/txn/SetACLTxn.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/SetSASLRequest.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-  
jar/org/apache/zookeeper/proto/CreateResponse.java

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*
/opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/SetWatches.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/txn/ErrorTxn.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/SetACLRequest.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/CreateRequest.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/GetEphemeralsResponse.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/ConnectResponse.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/txn/CreateTTLTxn.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/ReplyHeader.java
*
/opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/GetChildrenResponse.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/RequestHeader.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/txn/DeleteTxn.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/SetSASLResponse.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/GetMaxChildrenRequest.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/CreateTTLRequest.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/proto/SyncRequest.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/zookeeper/server/persistence/FileHeader.java
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Found in path(s):

\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/META-INF/maven/org.apache.zookeeper/zookeeper-jute/pom.xml

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\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/package.html

\*

/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/generated/package.html

\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/package.html

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\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JBuffer.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JMap.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/OutputArchive.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JByte.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JCompType.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JInt.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JLong.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JString.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/Record.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/ToStringOutputArchive.java  
\*  
/opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JRecord.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/RecordWriter.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JDouble.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/compiler/JVector.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/RecordReader.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/BinaryOutputArchive.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/BinaryInputArchive.java  
\* /opt/cola/permits/1634239229\_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-

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jar/org/apache/jute/compiler/CSharpGenerator.java
*
/opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/JType.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/Utils.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/CGenerator.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/CppGenerator.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/JBoolean.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/JField.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/JavaGenerator.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/JFloat.java
*
/opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-jar/org/apache/jute/Index.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/JFile.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/InputArchive.java
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```
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/TokenMgrError.java
*
```

```
/opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/ParseException.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/rcc.jj
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/SimpleCharStream.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/Token.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/RccConstants.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/RccTokenManager.java
* /opt/cola/permits/1634239229_1681207427.7329538/0/zookeeper-jute-3-6-4-sources-
jar/org/apache/jute/compiler/generated/Rcc.java
```

# 1.789 kubernetes-model-node 6.5.1

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* /opt/cola/permits/1634239322_1681207432.5711164/0/kubernetes-model-node-6-5-1-sources-jar/manifest.vm
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\* /opt/cola/permits/1634239322\_1681207432.5711164/0/kubernetes-model-node-6-5-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-node/pom.xml

## 1.790 kubernetes-model-resource 6.5.1

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Found in path(s):

\* /opt/cola/permits/1634239308\_1681828835.6492832/0/kubernetes-model-resource-6-5-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-resource/pom.xml

# 1.791 kubernetes-httpclient-okhttp 6.5.1

## 1.791.1 Available under license :

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Found in path(s):

\* /opt/cola/permits/1634239294\_1681828841.403642/0/kubernetes-httpclient-okhttp-6-5-1-sources-jar/io/fabric8/kubernetes/client/okhttp/OkHttpClientFactory.java

\* /opt/cola/permits/1634239294\_1681828841.403642/0/kubernetes-httpclient-okhttp-6-5-1-sources-jar/io/fabric8/kubernetes/client/okhttp/OkHttpClientBuilderImpl.java

\*

/opt/cola/permits/1634239294\_1681828841.403642/0/kubernetes-httpclient-okhttp-6-5-1-sources-jar/io/fabric8/kubernetes/client/okhttp/OkHttpWebSocketImpl.java

\* /opt/cola/permits/1634239294\_1681828841.403642/0/kubernetes-httpclient-okhttp-6-5-1-sources-jar/io/fabric8/kubernetes/client/okhttp/OkHttpClientImpl.java

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Found in path(s):

\* /opt/cola/permits/1634239294\_1681828841.403642/0/kubernetes-httpclient-okhttp-6-5-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-httpclient-okhttp/pom.xml

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#

io.fabric8.kubernetes.client.okhttp.OkHttpClientFactory

Found in path(s):

\* /opt/cola/permits/1634239294\_1681828841.403642/0/kubernetes-httpclient-okhttp-6-5-1-sources-jar/META-INF/services/io.fabric8.kubernetes.client.http.HttpClient\$Factory

# 1.792 kubernetes-model-flowcontrol 6.5.1

## 1.792.1 Available under license :

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Manifest-Version: 1.0

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: <http://redhat.com>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: FlowControl

Bundle-SymbolicName: io.fabric8.kubernetes-model-flowcontrol

Bundle-Vendor: Red Hat

Bundle-Version: 6.5.1

Created-By: Apache Maven Bundle Plugin 5.1.8

Export-Package: io.fabric8.kubernetes.api.model.flowcontrol.v1alpha1;u

ses:="com.fasterxml.jackson.annotation,com.fasterxml.jackson.databind

,com.fasterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.

builder,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.a

nnotation";version="6.5.1",io.fabric8.kubernetes.api.model.flowcontro

l.v1beta1;uses:="com.fasterxml.jackson.annotation,com.fasterxml.jacks

on.databind,com.fasterxml.jackson.databind.annotation,io.fabric8.kube

rnetes.api.builder,io.fabric8.kubernetes.api.model,io.fabric8.kuberne

tes.model.annotation";version="6.5.1",io.fabric8.kubernetes.api.model

.flowcontrol.v1beta2;uses:="com.fasterxml.jackson.annotation,com.fast

erxml.jackson.databind,com.fasterxml.jackson.databind.annotation,io.f

abric8.kubernetes.api.builder,io.fabric8.kubernetes.api.model,io.fabr

ic8.kubernetes.model.annotation";version="6.5.1",io.fabric8.kubernete

s.api.model.flowcontrol.v1beta3;uses:="com.fasterxml.jackson.annotati

on,com.fasterxml.jackson.databind,com.fasterxml.jackson.databind.anno

tation,io.fabric8.kubernetes.api.builder,io.fabric8.kubernetes.api.mo

del,io.fabric8.kubernetes.model.annotation";version="6.5.1"

Implementation-URL: <http://fabric8.io/kubernetes-model-generator/kubernetes-model-flowcontrol/>

Import-Package: com.fasterxml.jackson.annotation;version="[2.14,3)",co

m.fasterxml.jackson.databind;version="[2.14,3)",com.fasterxml.jackson

.databind.annotation;version="[2.14,3)",io.fabric8.kubernetes.api.bui

lder;version="[6.5,7)",io.fabric8.kubernetes.api.model,io.fabric8.kub

ernetes.model.annotation;version="[6.5,7)"

Include-Resource: META-INF/services/io.fabric8.kubernetes.api.model.Ku

bernetesResource=target/classes/META-INF/services/io.fabric8.kubern

etes.api.model.KubernetesResource,schema/kube-schema.json=src/main/reso

urces/schema/kube-schema.json,schema/validation-schema.json=src/main/

resources/schema/validation-schema.json,manifest.vm=src/main/resource

s/manifest.vm,/META-INF/jandex.idx=target/classes/META-INF/jandex.idx

Private-Package: schema

Provide-Capability: osgi.serviceloader;osgi.serviceloader="io.fabric8.  
kubernetes.api.model.KubernetesResource"  
Require-Capability: osgi.extender;filter:="(osgi.extender=osgi.service  
loader.registrar)",osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"  
Scm-Connection: scm:git:git@github.com:fabric8io/kubernetes-client.git  
/kubernetes-model-generator/kubernetes-model-flowcontrol  
Scm-Revision: \${buildNumber}  
Scm-Url: http://github.com/fabric8io/kubernetes-client/kubernetes-mode  
l-generator/kubernetes-model-flowcontrol/  
Specification-Title: Fabric8 :: Kubernetes Model :: FlowControl  
Specification-Vendor: Red Hat  
Specification-Version: 6.5  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /opt/cola/permits/1634239271\_1681207449.919786/0/kubernetes-model-flowcontrol-6-5-1-jar/META-  
INF/MANIFEST.MF

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\* /opt/cola/permits/1634239271\_1681207449.919786/0/kubernetes-model-flowcontrol-6-5-1-jar/manifest.vm

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\* /opt/cola/permits/1634239271\_1681207449.919786/0/kubernetes-model-flowcontrol-6-5-1-jar/META-INF/maven/io.fabric8/kubernetes-model-flowcontrol/pom.xml

## 1.793 zookeeper 3.6.4

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Found in path(s):

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/Request.java

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Found in path(s):

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/GetEphemeralsCommand.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/SyncCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/GetAclCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/LsCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/VersionCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/GetAllChildrenNumberCommand.java  
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\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/KeeperException.java

\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/auth/WrappedAuthenticationProvider.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/UnimplementedRequestProcessor.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ReferenceCountedACLCache.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/LeaderElectionMXBean.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/metrics/Counter.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/Observer.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/auth/ServerAuthenticationProvider.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/ClientCnxn.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/command/WatchCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ServerCnxnFactory.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ServerMetrics.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/common/IOUtils.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/RemoveWatchesCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/common/AtomicFileWritingIdiom.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/SaslServerPrincipal.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/SessionTracker.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/common/ZKHostnameVerifier.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/auth/DigestLoginModule.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/util/ConfigUtils.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ConnectionMXBean.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/command/DigestCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/SyncRequestProcessor.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-

jar/org/apache/zookeeper/server/DataTreeBean.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/auth/SaslQuorumServerCallbackHandler.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/auth/EnsembleAuthenticationProvider.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ServerCnxn.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ZooKeeperServerMXBean.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/Quotas.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/Leader.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/common/NettyUtils.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/ClientWatchManager.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/client/ConnectStringParser.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/persistence/FileTxnSnapLog.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/util/KerberosUtil.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/BlueThrottle.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/util/AuthUtil.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/persistence/SnapshotInfo.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ZooKeeperServerShutdownHandler.java  
\*  
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jar/org/apache/zookeeper/server/command/SetTraceMaskCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/metrics/MetricsProviderLifecycleException.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/CliCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/cli/CliParseException.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/common/FileKeyStoreLoader.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/quorum/LearnerMaster.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ZKDatabase.java

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/ZooKeeperServerMain.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/AsyncCallback.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/QuorumZooKeeperServer.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/metric/SimpleCounter.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/cli/AddWatchCommand.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/QuorumCnxManager.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/admin/AdminServerFactory.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/NettyServerCnxn.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/ZooTrace.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/CreateMode.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/CommitProcessor.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/LocalPeerBean.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/SendAckRequestProcessor.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/cli/StatPrinter.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/QuorumPeer.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/quorum/SyncedLearnerTracker.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/watch/WatcherOrBitSet.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/ZooKeeperServerListenerImpl.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/DataTree.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/ObserverBean.java  
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\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/admin/CommandResponse.java

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/Op.java

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/watch/WatchesReport.java

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/MultiOperationRecord.java

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/watch/WatchesSummary.java

\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/watch/WatchesPathReport.java

\*

/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ZooKeeperServerConf.java

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\*

/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-jar/org/apache/zookeeper/server/util/RequestPathMetricsCollector.java

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jar/org/apache/zookeeper/server/EphemeralTypeEmulate353.java  
\*  
/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/ContainerManager.java  
\* /opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/EphemeralType.java  
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jar/org/apache/zookeeper/server/quorum/MultipleAddresses.java
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INF/maven/org.apache.zookeeper/zookeeper/pom.xml
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jar/org/apache/zookeeper/version/Info.java

\*

/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/version/VersionInfoMain.java

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jar/org/apache/zookeeper/common/PathTrie.java

\*

/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/common/PathUtils.java

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jar/org/apache/zookeeper/server/watch/WatcherModeManager.java

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/opt/cola/permits/1634239220\_1681207436.7456996/0/zookeeper-3-6-4-sources-  
jar/org/apache/zookeeper/server/util/CircularBuffer.java

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jar/org/apache/zookeeper/server/util/MessageTracker.java

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jar/org/apache/zookeeper/common/BCFKSFileLoader.java

\*

```
/opt/cola/permits/1634239220_1681207436.7456996/0/zookeeper-3-6-4-sources-
jar/org/apache/zookeeper/util/CircularBlockingQueue.java
* /opt/cola/permits/1634239220_1681207436.7456996/0/zookeeper-3-6-4-sources-
jar/org/apache/zookeeper/server/watch/WatcherMode.java
* /opt/cola/permits/1634239220_1681207436.7456996/0/zookeeper-3-6-4-sources-
jar/org/apache/zookeeper/server/TxnLogEntry.java
* /opt/cola/permits/1634239220_1681207436.7456996/0/zookeeper-3-6-4-sources-
jar/org/apache/zookeeper/server/watch/PathParentIterator.java
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jar/io/fabric8/kubernetes/client/http/StandardMediaTypes.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/ReplaceDeletable.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/ServerSideApplicable.java
*
/opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/V1PolicyAPIGroupDSL.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/extended/leaderelection/resourceLock/LeaderElectionRecord.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/TtyExecErrorChannelable.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/utils/IOHelpers.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
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jar/io/fabric8/kubernetes/client/DefaultKubernetesClient.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/ListVisitFromServerWritable.java  
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/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/V1beta1NetworkAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/ListVisitFromServerGetDeleteRecreateWaitApplicable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/TimeoutImageEditReplacePatchable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/ApiextensionsAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/MetricOperation.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/Watchable.java  
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/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/AnyNamespaceOperation.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/EphemeralContainersResource.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/FunctionCallable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/http/SendAsyncUtils.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/V1EventingAPIGroupDSL.java  
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jar/io/fabric8/kubernetes/client/dsl/FlowControlAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/utils/CachedSingleThreadScheduler.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/http/ByteArrayBodyHandler.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/V2AutoscalingAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/base/CustomResourceDefinitionContext.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/LocalPortForward.java  
\*



/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/AuthenticationAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/Execable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/V1beta1BatchAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/FromServerGettable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/Watcher.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/extended/run/RunOperations.java  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/BytesLimitTerminateTimeTailPrettyLoggable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/GracePeriodConfigurable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/Config.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/EventingAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/V1beta1SchedulingAPIGroupDSL.java  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/utils/BackwardsCompatibilityInterceptor.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/Version.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/CertificateSigningRequestResource.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/AdmissionRegistrationAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/utils/InputStreamPumper.java  
\*  
/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/V1beta1CertificatesAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/internal/KubeConfigUtils.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-

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jar/io/fabric8/kubernetes/client/extended/leaderelection/LeaderElector.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/utils/PodStatusUtil.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/ItemReplacable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/V1BatchAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/StorageAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/NamespacableResource.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/http/BasicBuilder.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/KubernetesClient.java  
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
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jar/io/fabric8/kubernetes/client/V1beta1AdmissionRegistrationAPIGroupDSL.java  
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/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/V1Alpha1AuthenticationAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/V1beta1FlowControlAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/NetworkAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-  
jar/io/fabric8/kubernetes/client/dsl/NonNamespaceOperation.java

\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/base/PatchType.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/NodeMetricOperation.java  
\*  
/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/utils/ReflectUtils.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/LogWatch.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/V1AuthorizationAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/Secretable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/V1Alpha1DynamicResourceAllocationAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/V1Alpha1AdmissionRegistrationAPIGroupDSL.java  
\*  
/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/http/HttpRequest.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/internal/CertUtils.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/utils/KubernetesVersionFactory.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/http/StandardHttpHeaders.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/DeletableWithOptions.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/Waitable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/utils/KubernetesResourceUtil.java  
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/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/TimeTailPrettyLoggable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/FilterNested.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/extension/ResourceAdapter.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/MixedOperation.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/utils/IpAddressMatcher.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/http/WebSocket.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/http/BufferUtil.java  
\*



/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/ExecListenable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/WatcherException.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/CustomResource.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/Listable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/NamespacedVisitFromServerGetDeleteRecreateWaitApplicable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/PolicyAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/AutoscalingAPIGroupDSL.java  
\*  
/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/V1beta1AuthorizationAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/http/StandardWebSocketBuilder.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/extension/ClientAdapter.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/V1beta1ApiextensionAPIGroupDSL.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/informers/SharedInformerEventListener.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/ApiVisitor.java  
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/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/extended/run/RunConfig.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/informers/cache/Store.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/CreateOrReplaceable.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/KubernetesClientTimeoutException.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/PodMetricOperation.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/Utils/URLUtils.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/base/ResourceDefinitionContext.java  
\*  
/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/informers/cache/BasicItemStore.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/dsl/NonDeletingOperation.java  
\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-

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jar/io/fabric8/kubernetes/client/dsl/NamespacedInOutCreateable.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/http/HttpHeaders.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/V1AutoscalingAPIGroupDSL.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/informers/SharedInformerFactory.java
*
/opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/Deletable.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/AuthorizationAPIGroupDSL.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/ExecListener.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/Nameable.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/TtyExecErrorable.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/WritableOperation.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/extended/leaderelection/resourceLock/ConfigMapLock.java
*
/opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/http/AsyncBody.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/V1CertificatesAPIGroupDSL.java
* /opt/cola/permits/1634239329_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-
jar/io/fabric8/kubernetes/client/dsl/Loggable.java
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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-client-api/pom.xml

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\* /opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/lib/FilenameUtils.java

\*

/opt/cola/permits/1634239329\_1681207425.7699745/0/kubernetes-client-api-6-5-1-sources-jar/io/fabric8/kubernetes/client/lib/FileSystem.java

# 1.795 kubernetes-model-common 6.5.1

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Found in path(s):

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/annotation/Version.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/annotation/Plural.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/annotation/Kind.java

\*

/opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/annotation/SpecReplicas.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/annotation/ShortNames.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/jackson/JsonUnwrappedDeserializer.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/jackson/SettableBeanPropertyDelegate.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/jackson/BeanPropertyWriterDelegate.java

\* /opt/cola/permits/1634239315\_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-jar/io/fabric8/kubernetes/model/jackson/UnmatchedFieldTypeModule.java

\*

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/opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Singular.java
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jar/io/fabric8/kubernetes/model/annotation/PrinterColumn.java
* /opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/annotation/LabelSelector.java
* /opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Group.java
* /opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/util/Helper.java
* /opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/Scope.java
* /opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/annotation/StatusReplicas.java
*
/opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Generated.java
* /opt/cola/permits/1634239315_1681840524.299943/0/kubernetes-model-common-6-5-1-sources-
jar/io/fabric8/kubernetes/model/jackson/UnwrappedTypeResolverBuilder.java
```

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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie  
Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider

Bos, Sander  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
Cheloha, Scott  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.  
Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, Yoshifuji  
Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.

Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Jorge, Joel Pele  
Jover, Guillem  
Juhani, Timo  
Kikuchi, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Mallayya, Sangamesh  
Marchionna, Michael D.  
Markham, Paul  
Martinian, Emin  
Meskes, Michael  
Michael, David  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin  
Nieusma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Ouellet, Jean-Philippe  
Paquet, Eric  
Paradis, Chantal

Pasteurs, Frederic  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
Sato, Yuichi  
Snchez, Wilfredo  
Sanders, Miguel  
Sasaki, Kan  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott, Dougal  
Sieger, Nick  
Simon, Thor Lancelot  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven  
Spangler, Aaron  
Spradling, Cloyce D.  
Spradling, Michael  
Stier, Matthew  
Stoeckmann, Tobias  
Street, Russell  
Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
Thomas, Matthew  
Todd, Giles  
Toft, Martin  
Torek, Chris

Tucker, Darren  
Uhl, Robert  
Uzel, Petr  
Valery, Reznic  
Van Dinter, Theo  
Venckus, Martynas  
de Vries, Maarten  
Wagner, Klaus  
Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
Blttermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez,  
Francisco  
Fontenelle, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frdric  
Hein, Jochen  
Hufthammer, Karl Ove  
Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen, Gbor  
Keeci, Mehmet  
Koir, Klemen

Kozlov, Yuri  
Kramer, Jakob  
Krznar, Tomislav  
Marchal, Frdric  
Margeviius, Algimantas  
Maryanov, Pavel  
Nikoli, Miroslav  
Nylander, Daniel  
Psa, Petr  
Puente, Enol  
Putanec, Boidar  
Qun, Trn Ngc  
Rasmussen, Sebastian  
Regueiro, Leandro  
Sarer, zgr  
Sendn, Abel  
Sikrom, ka  
Spingos, Dimitris  
Taniguchi, Yasuaki  
Tomat, Fbio  
r, Balzs  
Uranga, Mikel Olasagasti  
Vorotnikov, Artem  
Wang, Wylmer

# 1.797 kustomize-kustomize 5.0.1

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## 1.801 profile 1.5.0

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## 1.802 jetty-security 9.4.51.v20230217

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Eclipse

The following artifacts are EPL.

\* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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## Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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## OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

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## Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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## MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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# 1.807 x-oauth2 0.7.0

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## 1.809 lib-pq 1.10.9

### 1.809.1 Available under license :

```
//go:build go1.10
```

```
// +build go1.10
```

```
package pq
```

```
import (
 "context"
 "database/sql/driver"
)
```

```
// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
 return c.(*conn).noticeHandler
}
```

```
// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
```

```

// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
 c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
 driver.Connector
 noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
 c, err := n.Connector.Connect(ctx)
 if err == nil {
 SetNoticeHandler(c, n.noticeHandler)
 }
 return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
 if c, ok := c.(*NoticeHandlerConnector); ok {
 return c.noticeHandler
 }
 return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {

```



```
if c, ok := c.(*NoticeHandlerConnector); ok {
 c.noticeHandler = handler
 return c
}
return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
```

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# 1.810 joda-time 2.12.5

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# 1.811 Icms 2.14

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section 10

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#

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#

.gitignore

#

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

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

src/pcf/pcfread.h

src/pcf/pcfutil.c

src/pcf/pcfutil.h

```
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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# 1.818 x-oauth2 0.8.0



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## 1.819 libgpg-error 1.37-1

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Gocheck - A rich testing framework for Go

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# 1.825 google-golang-org-genproto 0.0.0-20200526211855-cb27e3aa2013

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# 1.826 google-golang-org-genproto 0.0.0- 20191108220845-16a3f7862a1a

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## 1.829 systemd 245.4-4ubuntu3.22

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\f0\fs24 \cf2 \expnd0\expndtw0\kerning0
\outl0\strokewidth0 \strokec2 This XML file does not appear to have any style information associated with it. The
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\
SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0\
\
-->\
<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/maven-
v4_0_0.xsd">\
<modelVersion>4.0.0</modelVersion>\
<parent>\
<groupId>org.glassfish.hk2</groupId>\
<artifactId>external</artifactId>\
<version>2.6.1</version>\
</parent>\
<groupId>org.glassfish.hk2.external</groupId>\
<artifactId>aopalliance-repackaged</artifactId>\
<name>\
aopalliance version ${aopalliance.version} repackaged as a module\
</name>\
<build>\
<plugins>\
<plugin>\
<groupId>org.apache.maven.plugins</groupId>\
<artifactId>maven-dependency-plugin</artifactId>\
<executions>\
<execution>\
<id>step1-unpack-sources</id>\
<phase>process-sources</phase>\
<goals>\
<goal>unpack</goal>\
</goals>\
<configuration>\
<artifactItems>\
<artifactItem>\
<groupId>aopalliance</groupId>\
<artifactId>aopalliance</artifactId>\
<version>${aopalliance.version}</version>\
<classifier>sources</classifier>\
<overwrite>>false</overwrite>\
<outputDirectory>${project.build.directory}/alternateLocation</outputDirectory>\
</artifactItem>\
</artifactItems>\
</configuration>\
</execution>\
</executions>\
</plugin>\
<plugin>\
<groupId>org.codehaus.mojo</groupId>\

```

```

<artifactId>build-helper-maven-plugin</artifactId>\
<executions>\
<execution>\
<id>step2-add-sources</id>\
<phase>process-sources</phase>\
<goals>\
<goal>add-source</goal>\
</goals>\
<configuration>\
<sources>\
<source>${project.build.directory}/alternateLocation</source>\
</sources>\
</configuration>\
</execution>\
</executions>\
</plugin>\
<plugin>\
<groupId>org.apache.felix</groupId>\
<artifactId>maven-bundle-plugin</artifactId>\
<configuration>\
<instructions>\
<Embed-Dependency>\a0*;scope=compile;inline=true\a0</Embed-Dependency>\
<!--\

```

We set a mandatory attribute for these packages, because we don't want them to be visible to just anyone. An importer must specify the mandatory attribute for it to be able to import. See section #3.6.5 of OSGi R4 spec.

Why is this required?  
See [https://glassfish.dev.java.net/issues/show\\_bug.cgi?id=5385](https://glassfish.dev.java.net/issues/show_bug.cgi?id=5385)  
By doing this, we allow user have any version of apache-commons lib in their application class loader hierarchy. They don't even have to set delegation=false in sun-web.xml! This is the true advantage of using OSGi.

Sahoo.\

```

\
-->\
<Export-Package>org.aopalliance.*;version=${aopalliance.version}\</Export-Package>\
<Private-Package>!*\</Private-Package>\
</instructions>\
</configuration>\
<executions>\
<execution>\
<id>osgi-manifest</id>\
<phase>process-classes</phase>\
<goals>\
<goal>manifest</goal>\
</goals>\
</execution>\

```



```
</executions>\
</plugin>\
</plugins>\
</build>\
<dependencies>\
<dependency>\
<groupId>aopalliance</groupId>\
<artifactId>aopalliance</artifactId>\
<version>${aopalliance.version}</version>\
<optional>true</optional>\
</dependency>\
</dependencies>\
</project>\
}
```

Found in path(s):

\* /opt/cola/permits/1688041658\_1684928894.4895442/0/aopalliance-2-6-1-zip/aopalliance-2.6.1.rtf

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# 1.831 prometheus-common 0.44.0

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# 1.832 logback-access 1.2.12

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```

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```

```
#
```

```
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```

```
conditions.
```

```
This SQL script creates the required tables by ch.qos.logback.classic.db.DBAppender
```

```
#
```

```
It is intended for PostgreSQL databases.
```

```
DROP TABLE access_event_exception;
```

```
DROP SEQUENCE access_event_id_seq;
```

```
DROP TABLE access_event;
```

```
CREATE SEQUENCE access_event_id_seq MINVALUE 1 START 1;
```

```
CREATE TABLE access_event
```

```
(
```

```
 timestmp BIGINT NOT NULL,
```

```
 requestURI VARCHAR(254),
```

```
 requestURL VARCHAR(254),
```

```
 remoteHost VARCHAR(254),
```

```
 remoteUser VARCHAR(254),
```

```
 remoteAddr VARCHAR(254),
```

```
 protocol VARCHAR(254),
```

```
 method VARCHAR(254),
```

```
 serverName VARCHAR(254),
```

```
 postContent VARCHAR(254),
```

```
 event_id BIGINT DEFAULT
```

```
 nextval('access_event_id_seq') PRIMARY KEY
```

```
);
```

```
CREATE TABLE access_event_header
```

```
(
```

```
 event_id BIGINT NOT NULL,
```

```
 header_key VARCHAR(254) NOT NULL,
```

```
header_value VARCHAR(1024),
PRIMARY KEY(event_id, header_key),
FOREIGN KEY (event_id) REFERENCES access_event(event_id)
);
```

Found in path(s):

```
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/db/script/postgresql.sql
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```

```
This SQL script creates the required tables by ch.qos.logback.access.db.DBAppender.
```

```
#
```

```
It is intended for MySQL databases. It has been tested on MySQL 5.5.31 with
```

```
INNODB tables.
```

```
BEGIN;
```

```
DROP TABLE IF EXISTS access_event_header;
```

```
DROP TABLE IF EXISTS access_event;
```

```
COMMIT;
```

```
BEGIN;
```

```
CREATE TABLE access_event
```

```
(
```

```
 timestmp BIGINT NOT NULL,
```

```
 requestURI VARCHAR(254),
```

```
 requestURL VARCHAR(254),
```

```
 remoteHost VARCHAR(254),
```

```
 remoteUser VARCHAR(254),
```

```
 remoteAddr VARCHAR(254),
```

```
 protocol VARCHAR(254),
```

```
 method VARCHAR(254),
```

```
 serverName VARCHAR(254),
```

```
 postContent VARCHAR(254),
```

```
 event_id BIGINT NOT NULL
```

```
 AUTO_INCREMENT PRIMARY KEY
```

```
);
```

```
COMMIT;
```

```
BEGIN;
```

```
CREATE TABLE access_event_header
```

```
(
```

```
event_id BIGINT NOT NULL,
header_key VARCHAR(254) NOT NULL,
header_value VARCHAR(1024),
PRIMARY KEY(event_id, header_key),
FOREIGN KEY (event_id) REFERENCES access_event(event_id)
);
COMMIT;
```

Found in path(s):

```
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/db/script/mysql.sql
```

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--
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-- conditions.
```

```
-- This SQL script creates the required tables by ch.qos.logback.access.db.DBAppender
```

```
--
```

```
-- It is intended for Oracle databases.
```

```
CREATE SEQUENCE access_event_id_seq MINVALUE 1 START WITH 1;
```

```
CREATE TABLE access_event
```

```
(
```

```
 timestmp NUMBER(20) NOT NULL,
```

```
 requestURI VARCHAR(254),
```

```
 requestURL VARCHAR(254),
```

```
 remoteHost VARCHAR(254),
```

```
 remoteUser VARCHAR(254),
```

```
 remoteAddr VARCHAR(254),
```

```
 protocol VARCHAR(254),
```

```
 method VARCHAR(254),
```

```
 serverName VARCHAR(254),
```

```
 postContent VARCHAR(254),
```

```
 event_id NUMBER(20) PRIMARY KEY
```

```
);
```

```
-- the / suffix may or may not be needed depending on your SQL Client
```

```
--
```

```
Some SQL Clients, e.g. Squirrel SQL has trouble with the following
```

```
-- trigger creation command, while SQLPlus (the basic SQL Client which
```

```
-- ships with Oracle) has no trouble at all.
```

```

CREATE TRIGGER access_event_id_seq_trig
BEFORE INSERT ON access_event
FOR EACH ROW
BEGIN
 SELECT access_event_id_seq.NEXTVAL
 INTO :NEW.event_id
 FROM DUAL;
END access_event_id_seq_trig;
/

```

```

CREATE TABLE access_event_header
(
 event_id NUMBER(20) NOT NULL,
 header_key VARCHAR2(254) NOT NULL,
 header_value VARCHAR2(1024),
 PRIMARY KEY(event_id, header_key),
 FOREIGN KEY (event_id) REFERENCES access_event(event_id)
);

```

Found in path(s):

```

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jar/ch/qos/logback/access/db/script/oracle.sql

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```

```

This SQL script creates the required tables by ch.qos.logback.access.db.DBAppender
#
It is intended for IBM DB2 databases.
#
WARNING WARNING WARNING WARNING
=====
This SQL script has not been tested on an actual DB2
instance. It may contain errors or even invalid SQL
statements.

```

```

DROP TABLE access_event_header;
DROP TABLE access_event;

```

```

CREATE TABLE access_event
(
 timestmp BIGINT NOT NULL,
 requestURI VARCHAR(254),
 requestURL VARCHAR(254),

```

```
remoteHost VARCHAR(254),
remoteUser VARCHAR(254),
remoteAddr VARCHAR(254),
protocol VARCHAR(254),
method VARCHAR(254),
serverName VARCHAR(254),
postContent VARCHAR(254),
event_id INTEGER GENERATED ALWAYS AS IDENTITY (START WITH 1)
);
```

```
CREATE TABLE access_event_header
(
 event_id INTEGER NOT NULL,
 header_key VARCHAR(254) NOT NULL,
 header_value VARCHAR(1024),
 PRIMARY KEY(event_id, header_key),
 FOREIGN KEY (event_id) REFERENCES access_event(event_id)
);
```

Found in path(s):

```
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/db/script/db2.sql
```

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```

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*/
```

Found in path(s):

```
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/ElapsedSecondsConverter.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/SessionIDConverter.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/QueryStringConverter.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/ThreadNameConverter.java
```

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 */
```

Found in path(s):

```
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/boolex/JaninoEventEvaluator.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/net/SocketNode.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/FullResponseConverter.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/jetty/RequestLogRegistry.java
*
/opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/html/UrlCssBuilder.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/spi/AccessContext.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/net/server/ServerSocketAppender.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/LocalIPAddressConverter.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/net/SMTPAppender.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/filter/PeriodicStats.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/servlet/Util.java
*
/opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/AccessConstants.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/sift/SiftingJoranConfigurator.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/pattern/FullRequestConverter.java
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
```

jar/ch/qos/logback/access/html/DefaultCssBuilder.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/AccessConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/LineSeparatorConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/EnsureLineSeparation.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RemoteHostConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RequestContentConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/servlet/TeeServletOutputStream.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/html/HTMLLayout.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/filter/StatsByDay.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/joran/action/EvaluatorAction.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/filter/StatsByWeek.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/ResponseHeaderConverter.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/PatternLayoutEncoder.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RemoteUserConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/servlet/TeeHttpServletResponse.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/jetty/JettyServerAdapter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RemoteIPAddressConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/NAConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/spi/IAccessEvent.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/sift/AccessEventDiscriminator.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/tomcat/LogbackValve.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/filter/CountingFilter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RequestCookieConverter.java



\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/LocalPortConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/RequestHeaderConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/servlet/TeeFilter.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/RequestURLConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/filter/StatisticalView.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/StatusCodeConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/RequestMethodConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/DateConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/servlet/TeeServletInputStream.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/sift/SiftAction.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/jetty/JettyModernServerAdapter.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/servlet/TeeHttpServletRequest.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/ResponseContentConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/filter/StatsByMonth.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/jetty/RequestLogImpl.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/RequestAttributeConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/pattern/RequestProtocolConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/net/AccessEventPreSerializationTransformer.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/net/SSLSocketAppender.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/filter/StatsByHour.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/joran/JoranConfigurator.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/ViewStatusMessagesServlet.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-

jar/ch/qos/logback/access/filter/StatsByMinute.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/spi/AccessEvent.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/tomcat/TomcatServerAdapter.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/joran/action/ConfigurationAction.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RequestURICConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/ElapsedTimeConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/ContentLengthConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/sift/AppenderFactoryUsingJoran.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/net/URLEvaluator.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/net/server/SSLServerSocketAppender.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/net/SocketAppender.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/spi/ServerAdapter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/sift/SiftingAppender.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/filter/StatisticalViewImpl.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/ServerNameConverter.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/spi/Util.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/pattern/RequestParameterConverter.java  
\*  
/opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/net/SimpleSocketServer.java  
\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-  
jar/ch/qos/logback/access/PatternLayout.java

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-- This SQL script creates the required tables by ch.qos.logback.access.db.DBAppender

--

DROP TABLE access\_event\_header

DROP TABLE access\_event

CREATE TABLE access\_event

```
(
 timestmp BIGINT NOT NULL,
 requestURI VARCHAR(254),
 requestURL VARCHAR(254),
 remoteHost VARCHAR(254),
 remoteUser VARCHAR(254),
 remoteAddr VARCHAR(254),
 protocol VARCHAR(254),
 method VARCHAR(254),
 serverName VARCHAR(254),
 postContent VARCHAR(254),
 event_id INT NOT NULL identity,
 PRIMARY KEY(event_id)
)
```

CREATE TABLE access\_event\_header

```
(
 event_id INT NOT NULL,
 header_key VARCHAR(254) NOT NULL,
 header_value VARCHAR(1024),
 PRIMARY KEY(event_id, header_key),
 FOREIGN KEY (event_id) REFERENCES access_event(event_id)
)
```

Found in path(s):

\* /opt/cola/permits/1696247542\_1685058174.793666/0/logback-access-1-2-12-sources-jar/ch/qos/logback/access/db/script/msSQLServer.sql

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# This SQL script creates the required tables by ch.qos.logback.access.db.DBAppender

#

# It is intended for HSQL databases.

```
DROP TABLE access_event_header IF EXISTS;
```

```
DROP TABLE access_event IF EXISTS;
```

```
CREATE TABLE access_event (
 timestmp BIGINT NOT NULL,
 requestURI VARCHAR(254),
 requestURL VARCHAR(254),
 remoteHost VARCHAR(254),
 remoteUser VARCHAR(254),
 remoteAddr VARCHAR(254),
 protocol VARCHAR(254),
 method VARCHAR(254),
 serverName VARCHAR(254),
 postContent VARCHAR(254),
 event_id BIGINT NOT NULL IDENTITY);
```

```
CREATE TABLE access_event_header (
 event_id BIGINT NOT NULL,
 header_key VARCHAR(254) NOT NULL,
 header_value LONGVARCHAR,
 PRIMARY KEY(event_id, header_key),
 FOREIGN KEY
 (event_id) REFERENCES access_event(event_id));
```

Found in path(s):

```
* /opt/cola/permits/1696247542_1685058174.793666/0/logback-access-1-2-12-sources-
jar/ch/qos/logback/access/db/script/hsqldb.sql
```

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## 1.837 j2objc-annotations 2.8

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```

Found in path(s):

```
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/OnDealloc.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/LoopTranslation.java
*
/opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/RetainedLocalRef.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/ReflectionSupport.java
```

```
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/Property.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/WeakOuter.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/RetainedWith.java
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/ObjectiveCName.java
```

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```

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```

```
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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/Weak.java
```

```
* /opt/cola/permits/1704412778_1685746927.655543/0/j2objc-annotations-2-8-sources-
jar/com/google/j2objc/annotations/AutoreleasePool.java
```

# 1.838 libssh 0.9.3-2ubuntu2.3

## 1.838.1 Available under license :

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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

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

src/pcf/pcfread.h

src/pcf/pcfutil.c

src/pcf/pcfutil.h

```
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftandom/ftandom.c
#
subprojects/dlg
#
#
```

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
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The End

Perl5 Metaconfig Units

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These units are the ones used to build Configure and config\_h.SH in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you



installed dist). It will then recurse through the 'U' subdirectory and find any additional "private" units. Private units override standard ones supplied with metaconfig.

Files in this directory:

README

This file.

Glossary.patch

The standard dist units contain some strings that make pod2man complain. This patch silences those warnings. As new units are added and Configure is regenerated, this patch may need more and more 'fuzz' to be applied. It should be freshly regenerated every once in a while. See also mkgloss.pl

In-all.pl

Re-generate the all/ folder

mkglossary

A script to regenerate Porting/Glossary. You have to manually edit the top of the script to point the location of your metaconfig units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl

A perl script that calls U/mkglossary from the perl source tree, sorts the list of symbols, and applies the patch mentioned in Glossary.patch. When called on its own, redirect the output to a temporary file, and compare that file to Porting/Glossary before applying.

mksample

A script to regenerate Porting/config.sh and Porting/config.H. It also calls mkglossary, if necessary.

Subdirectories:

The units and other related files have been broken up into the following directories.

a\_dvisory/

These are units that have to go first in the generated config\_h.SH. A word of explanation: Configure and config\_h.SH are generated from 'Units' (the \*.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies. However, config\_h.SH is simply built by putting all the units in alphabetical order and extracting the relevant lines. (This could be fixed, I suppose, but

it wasn't trivial the one time I looked.)

The `a_dvisory/` directory, then, is a place to put units that need to be early in `config_h.SH`. (Most units are self-contained and ought to be able to go anywhere. However, some things, like `byteorder`, need to have the `#defines` from `multiarch` available.)

`acl/`

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

`all/`

A folder that conveniently holds symbolic links to all the modules that are used to build the current `Configure` and `config_h.SH`.

`compline/`

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new `Compile.U` unit. (The `ccflags.U` unit is perl-specific since it mentions `-DDEBUGGING` and `-DPOSIX_SOURCE`, but that's the only place it is perl-specific.)

`dist_patches/`

These are patches to `dist` that must be applied before it is built and installed. I have submitted these for inclusion in the regular `dist` distribution. They have already been applied to the `../dist-3.0at70b` directory.

`ebcdic/`

These are units that had to be specially modified to work under either EBCDIC or ASCII.

`installdirs/`

These are units to handle perl's installation directories and related issues.

`modified/`

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular `dist` distribution.

`nullified/`

These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that `metaconfig` thinks means we want the corresponding unit.

`perl/`

These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

#### perl\_patches/

These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

#### protos/

These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

#### threads/

These are specific to threading perl.

#### typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typedef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for \*me\* to actively maintain it, the units just sit here.

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Which one to use is your choice.

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If you have any questions about the use of these units or about the differences between these units and the standard versions, please feel free to ask.

Andy Dougherty [doughera@lafayette.edu](mailto:doughera@lafayette.edu)

Dept. of Physics

Lafayette College

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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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# 1.845 jersey-server 2.39.1

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\*

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\*

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

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

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## 1.852 slf4j-impl 1.7.36

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Upstream-Contact: Kenneth Reitz <me@kennethreitz.com>

Source: <https://pypi.org/project/requests/>

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## 1.856 scala-collection-compat\_2.13 2.10.0

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```
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* /opt/cola/permits/1719630887_1686604745.8385057/0/scala-collection-compat-2-13-2-10-0-sources-jar/scala/collection/compat/immutable/package.scala
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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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which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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

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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally

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# 1.859 libnss-nis 2.31

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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

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

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

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

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

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# 1.870 ncurses 6.2-0ubuntu2.1

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# 1.871 prometheus-procfs 0.10.1

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Squirrel: The Masterminds

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# 1.873 python-setuptools 68.0.0

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# 1.875 metrics-httpclient 4.2.19

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.httpclient

Build-Jdk-Spec: 11

Bundle-Description: An Apache HttpClient wrapper providing Metrics instrumentation of connection pools, request durations and rates, and other useful information.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Integration for Apache HttpClient

Bundle-SymbolicName: io.dropwizard.metrics.httpclient

Bundle-Version: 4.2.19

Created-By: Apache Maven Bundle Plugin 5.1.9

Export-Package: com.codahale.metrics.httpclient;uses:="com.codahale.metrics,org.apache.http,org.apache.http.config,org.apache.http.conn,org.apache.http.conn.routing,org.apache.http.conn.socket,org.apache.http.impl.client,org.apache.http.impl.conn,org.apache.http.protocol";version="4.2.19"

Implementation-Title: Metrics Integration for Apache HttpClient

Implementation-Version: 4.2.19

Import-Package:

com.codahale.metrics;version="[4.2,5)",org.apache.http,org.apache.http.client,org.apache.http.client.methods,org.apache.http.client.utils,org.apache.http.config,org.apache.http.conn,org.apache.http.conn.routing,org.apache.http.conn.socket,org.apache.http.conn.ssl,org.apache.http.impl.client,org.apache.http.impl.conn,org.apache.http.pool,org.apache.http.protocol

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /opt/cola/permits/1734075126\_1695634098.003408/0/metrics-httpclient-4-2-19-jar/META-INF/MANIFEST.MF

# 1.876 prometheus-client 1.16.0

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# 1.877 guava 32.1.1-jre

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Doug Lea

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# 1.878 unsafe-assume-no-moving-gc 0.0.0-20230525183740-e7c30c78aeb2

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 */
```

Found in path(s):

```
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
*
/opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
```

jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/AsciiHeadersEncoder.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/DecoderResultProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/LzfEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
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/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/MessageAggregationException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2BitWriter.java  
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jar/io/netty/handler/codec/compression/Bzip2Encoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/LzfDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2BitReader.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/json/package-info.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/FastLz.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java

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* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/Bzip2Rand.java
*
/opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/Lz4Constants.java
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Found in path(s):

```
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java

\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/HeadersUtils.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java

\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java

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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/EncoderUtil.java

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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/string/LineSeparator.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/CodecOutputList.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/DatagramPacketEncoder.java

\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/ByteBufChecksum.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/CompressionUtil.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/string/LineEncoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/DateFormat.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/DatagramPacketDecoder.java

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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
* <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content
* |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*

```

\* Because we can get the length of the content by calling  
 \* { @link ByteBuf#readableBytes()}, you might want to strip the length  
 \* field by specifying `initialBytesToStrip`. In this example, we  
 \* specified `2`, that is same with the length of the length field, to  
 \* strip the first two bytes.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 2 (= the length of the Length field)
*
```

```
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x00C | "HELLO, WORLD" | | "HELLO, WORLD" |
* +-----+-----+ +-----+
```

```
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
```

\* In most cases, the length field represents the length of the message body  
 \* only, as shown in the previous examples. However, in some protocols, the  
 \* length field represents the length of the whole message, including the  
 \* message header. In such a case, we specify a non-zero  
 \* `lengthAdjustment`. Because the length value in this example message  
 \* is always greater than the body length by `2`, we specify `-2`  
 \* as `lengthAdjustment` for compensation.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = -2 (= the length of the Length field)
* initialBytesToStrip = 0
*
```

```
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual
* Content |
* | 0x000E | "HELLO, WORLD" | | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
```

```
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
```

\* The following message is a simple variation of the first example. An extra  
 \* header value is prepended to the message. `lengthAdjustment` is zero  
 \* again because the decoder always takes the length of the prepended data into  
 \* account during frame length calculation.



```

* <pre>
* lengthFieldOffset = 2 (= the length of Header 1)
* lengthFieldLength = 3
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" | | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>

```

\* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

\* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive <tt>lengthAdjustment</tt> so that the decoder counts the extra header into the frame length calculation.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* lengthAdjustment = 2 (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" | | 0x00000C | 0xCAFE | "HELLO,
* WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>

```

\* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

\* This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the <tt>lengthFieldOffset</tt> and the extra header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero <tt>initialBytesToStrip</tt> to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.

```

* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* lengthAdjustment = 1 (= the length of HDR2)

```

```

* initialBytesToStrip = 3 (= the length of HDR1 +
LEN)
*
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
* initialBytesToStrip = 3
*
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/string/StringEncoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java

\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/xml/package-info.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/Snappy.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/package-info.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/EncoderException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/DecoderResult.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java  
\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/package-info.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/MessageAggregator.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/Delimiters.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/string/package-info.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/DecoderException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-

jar/io/netty/handler/codec/compression/package-info.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/DecompressionException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/JZlibDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/CodecException.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/ZlibUtil.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/UnsupportedMessageTypeException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/CompressionException.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/FixedLengthFrameDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/bytes/package-info.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/ReplayingDecoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/base64/package-info.java  
\*  
/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/TooLongFrameException.java

```
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/compression/ZlibEncoder.java
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```

```
*/
```

```
/**
```

```
* Utility class for {@link ByteBuf} that encodes and decodes to and from
```

```
* Base64 notation.
```

```
* <p>
```

```
* The encoding and decoding algorithm in this class has been derived from
```

```
* Robert Harder's Public Domain
```

```
* Base64 Encoder/Decoder.
```

```
*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1735715921_1688166920.9934118/0/netty-codec-4-1-94-final-sources-
jar/io/netty/handler/codec/base64/Base64.java
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\*/

/\*\*

\* Enumeration of supported Base64 dialects.

\* <p>

\* The internal lookup tables in this class has been derived from

\* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert  
Harder's Public Domain

\* Base64 Encoder/Decoder</a>.

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jar/io/netty/handler/codec/DefaultHeaders.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/EmptyHeaders.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-



jar/io/netty/handler/codec/Headers.java

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jar/io/netty/handler/codec/compression/Lz4XXHash32.java

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jar/io/netty/handler/codec/compression/Zstd.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/BrotliDecoder.java

\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-  
jar/io/netty/handler/codec/compression/BrotliEncoder.java

\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/Brotli.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/BrotliOptions.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/CompressionOptions.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/GzipOptions.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/ZstdConstants.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/ZstdEncoder.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java  
\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java  
\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java

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\* /opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/xml/XMLFrameDecoder.java  
\*

/opt/cola/permits/1735715921\_1688166920.9934118/0/netty-codec-4-1-94-final-sources-jar/io/netty/handler/codec/compression/Crc32c.java

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## 4.1.94.Final

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/GenericUnixChannelOption.java

\*

\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/IntegerUnixChannelOption.java

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java

\*

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/PeerCredentials.java

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/netty\_unix\_errors.h

\*

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* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/FileDescriptor.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/Socket.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/netty_unix_filedescriptor.c
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/netty_unix_filedescriptor.h
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/Errors.java
*
/opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/UnixChannel.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/netty_unix_errors.c
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jar/io/netty/channel/unix/DomainSocketReadMode.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /opt/cola/permits/1735716026_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-
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jar/io/netty/channel/unix/DomainSocketAddress.java
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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/META-INF/maven/io.netty/netty-transport-native-unix-common/pom.xml

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/Buffer.java

\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java

\*

/opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/netty\_unix\_buffer.c

\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/netty\_unix\_buffer.h

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/netty\_unix\_jni.h

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/IovArray.java

\*

/opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/package-info.java

\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/Unix.java

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/DomainDatagramChannelConfig.java

\*  
/opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/DomainDatagramPacket.java  
\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/DomainDatagramSocketAddress.java  
\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/io/netty/channel/unix/DomainDatagramChannel.java

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\* /opt/cola/permits/1735716026\_1688166875.313498/0/netty-transport-native-unix-common-4-1-94-final-sources-jar/netty\_unix.h

# 1.881 netty-resolver 4.1.94.Final

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\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/CompositeNameResolver.java  
\*  
/opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/DefaultNameResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/InetAddressResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/AddressResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java  
\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/HostsFileParser.java

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\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/NoopAddressResolver.java

\*

/opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/package-info.java

\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/SimpleNameResolver.java

\* /opt/cola/permits/1735715995\_1688166915.6076818/0/netty-resolver-4-1-94-final-sources-jar/io/netty/resolver/AddressResolverGroup.java

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## 1.882 netty-handler 4.1.94.Final

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* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-
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*
 /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-
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```

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* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-
jar/io/netty/handler/address/package-info.java
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java  
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java  
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/BouncyCastlePemReader.java  
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/Conscrypt.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java

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/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java

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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java

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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java  
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Found in path(s):

```
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/GroupsConverter.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslContextOption.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/BouncyCastle.java
*
/opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/AsyncRunnable.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslProtocols.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslContextOption.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/Ciphers.java
*
/opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-
```



jar/io/netty/handler/ssl/OpenSslClientSessionCache.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-

jar/io/netty/handler/ssl/OpenSslSessionId.java

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jar/io/netty/handler/pcap/EthernetPacket.java

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jar/io/netty/handler/pcap/IPPacket.java

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jar/io/netty/handler/pcap/PcapHeaders.java

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jar/io/netty/handler/pcap/PcapWriter.java

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jar/io/netty/handler/pcap/UDPPacket.java

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jar/io/netty/handler/pcap/TCPpacket.java

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jar/io/netty/handler/pcap/package-info.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-

jar/io/netty/handler/pcap/PcapWriteHandler.java

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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java  
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/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/flow/package-info.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java  
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java  
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/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java  
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java  
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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java

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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-

jar/io/netty/handler/ipfilter/UniqueIpFilter.java  
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jar/io/netty/handler/ssl/util/LazyX509Certificate.java  
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/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/JdkSslEngine.java  
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jar/io/netty/handler/ssl/SslProvider.java  
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jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java  
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jar/io/netty/handler/ssl/SniHandler.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/OpenSslEngineMap.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java

\*

/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java

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jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/traffic/package-info.java  
\*

/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/traffic/TrafficCounter.java

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jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java  
\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/SslContextBuilder.java  
\*

/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/ClientAuth.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/ApplicationProtocolNames.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java

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\*

/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/address/ResolveAddressHandler.java

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\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-jar/io/netty/handler/ssl/SslClosedEngineException.java

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jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java

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jar/io/netty/handler/ssl/OpenSslPrivateKey.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java

\*

/opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java

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jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/OpenSslSession.java

\* /opt/cola/permits/1735716183\_1688166915.4300108/0/netty-handler-4-1-94-final-sources-  
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java

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jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java

\*

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/opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1735716183_1688166915.4300108/0/netty-handler-4-1-94-final-sources-
jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
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jar/io/netty/handler/flow/FlowControlHandler.java
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### 4.1.94.Final

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/**
 * Set the { @code TCP_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.

*/
/**
 * Set the { @code TCP_QUICKACK } option on the socket.
 * See TCP_QUICKACK
 * for more details.
*/

```

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```

* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/EpollSocketChannelConfig.java

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/**
 * Set the { @code TCP_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
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* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
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* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/SegmentedDatagramPacket.java
*
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\* /opt/cola/permits/1735715951\_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java

\* /opt/cola/permits/1735715951\_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-jar/io/netty/channel/epoll/EpollMode.java

\* /opt/cola/permits/1735715951\_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-

```
jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/EpollServerChannelConfig.java
*
/opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/cola/permits/1735715951_1688166917.5067825/0/netty-transport-classes-epoll-4-1-94-final-sources-
jar/io/netty/channel/epoll/TcpMd5Util.java
```

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* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/CoalescingBufferQueue.java
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/bootstrap/FailedChannel.java  
\*  
/opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/internal/package-info.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/internal/ChannelUtils.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/PendingBytesTracker.java  
\*  
/opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java  
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jar/io/netty/channel/ServerChannelRecvByteBufAllocator.java

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jar/io/netty/channel/EventLoopTaskQueueFactory.java

\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-  
jar/io/netty/channel/ExtendedClosedChannelException.java

\*

/opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-  
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/PendingWriteQueue.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/AbstractEventLoop.java  
\*  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java  
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  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
  - \*
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  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
  - \*
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  - \* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline }.
*
* <h3>Sub-types</h3>
* <p>
* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its
subtypes:
*
* { @link
ChannelInboundHandler } to handle inbound I/O events, and
* { @link ChannelOutboundHandler } to handle outbound I/O operations.
*
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
*
* { @link ChannelInboundHandlerAdapter } to handle inbound I/O events,
* { @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and
* { @link ChannelDuplexHandler } to handle both inbound and outbound events
*
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A { @link ChannelHandler } is provided with a { @link ChannelHandlerContext }
* object. A { @link ChannelHandler } is supposed to interact with the
* { @link ChannelPipeline } it belongs to via a context object. Using the
* context object, the { @link ChannelHandler } can pass events upstream or
* downstream, modify the pipeline dynamically,
* or store the information
* (using { @link AttributeKey }s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A { @link ChannelHandler } often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>

```

```

* public interface Message {
* // your methods here
* }
*
* public class DataServerHandler extends { @link SimpleChannelInboundHandler } < Message > {
*
* private boolean loggedIn;
*
* { @code @Override }
* public void channelRead0({ @link ChannelHandlerContext } ctx, Message message) {
* if (message instanceof LoginMessage) {
* authenticate((LoginMessage) message);
* loggedIn = true;
* } else (message instanceof GetDataMessage) {
* if (loggedIn) {
* ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
* } else {
* fail();
* }
* }
* }
* }
* ...
* }
* </pre>

```

\* Because the handler instance has a state variable which is dedicated to
 \* one connection, you have to create a new handler instance for each new
 \* channel to avoid a race condition where an unauthenticated client can get
 \* the confidential information:

```

* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel) }.
* public class DataServerInitializer extends { @link ChannelInitializer } < { @link Channel } > {
* { @code @Override }
* public void initChannel({ @link Channel } channel) {
* channel.pipeline().addLast("handler", new DataServerHandler());
* }
* }
*
* </pre>

```

\* <h4>Using { @link AttributeKey }s</h4>

\* Although it's recommended to use member variables to store the state of a
 \* handler, for some reason you might not want to create many handler instances.
 \* In such a case, you can use { @link AttributeKey }s which is provided by
 \* { @link ChannelHandlerContext }:



```

* <pre>
* public interface Message {
* // your methods here
* }
*
* { @code @Sharable }
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}<&Message> {
* private final { @link AttributeKey}<& { @link Boolean}> auth =
* { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
* { @code @Override }
* public void channelRead({ @link ChannelHandlerContext} ctx, Message message) {
* { @link Attribute}<& { @link Boolean}> attr = ctx.attr(auth);
* if (message instanceof LoginMessage) {
* authenticate((LoginMessage) o);
* attr.set(true);
* } else (message instanceof GetDataMessage) {
* if (Boolean.TRUE.equals(attr.get())) {
* ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
* } else {
* fail();
* }
* }
* }
* }
* ...
* }
* </pre>

```

\* Now that the

state of the handler is attached to the { @link ChannelHandlerContext}, you can add the

\* same handler instance to different pipelines:

```

* <pre>

```

```

* public class DataServerInitializer extends { @link ChannelInitializer}<& { @link Channel}> {
*
* private static final DataServerHandler SHARED = new DataServerHandler();
*
* { @code @Override }
* public void initChannel({ @link Channel} channel) {
* channel.pipeline().addLast("handler", SHARED);
* }
* }
* </pre>

```

\*

\*

\* <h4>The { @code @Sharable} annotation</h4>

```

* <p>

```

\* In the example above which used an { @link AttributeKey},

\* you might have noticed the { @code @Sharable} annotation.

```

* <p>

```

- \* If a { @link ChannelHandler } is annotated with the { @code @Sharable }
- \* annotation, it means you can create an instance of the handler just once and
- \* add it to one or more { @link ChannelPipeline }s multiple times without
- \* a race condition.
- \* <p>
- \* If this annotation is not specified, you have to create
- a new handler
- \* instance every time you add it to a pipeline because it has unshared state
- \* such as member variables.
- \* <p>
- \* This annotation is provided for documentation purpose, just like
- \* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
- \* <p>
- \* <h3>Additional resources worth reading</h3>
- \* <p>
- \* Please refer to the { @link ChannelHandler }, and
- \* { @link ChannelPipeline } to find out more about inbound and outbound operations,
- \* what fundamental differences they have, how they flow in a pipeline, and how to handle
- \* the operation in your application.
- \*/

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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/DuplexChannel.java  
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java  
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java

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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java  
\*  
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/AddressedEnvelope.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/DefaultChannelId.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/group/ChannelGroup.java  
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/opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/group/ChannelMatcher.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/MessageSizeEstimator.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/group/ChannelMatchers.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/ConnectTimeoutException.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-

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jar/io/netty/channel/ChannelOutboundBuffer.java
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jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
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/opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/bootstrap/ChannelFactory.java
* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
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* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java  
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/ChannelPromise.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java  
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jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java  
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jar/io/netty/channel/ChannelConfig.java  
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jar/io/netty/channel/MultithreadEventLoopGroup.java  
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jar/io/netty/channel/AbstractChannelHandlerContext.java  
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jar/io/netty/channel/CompleteChannelFuture.java  
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\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-jar/io/netty/bootstrap/AbstractBootstrap.java  
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* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/ChannelOption.java
* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/embedded/EmbeddedEventLoop.java
*
/opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/DefaultChannelPromise.java
* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/cola/permits/1735716162_1688166869.6417358/0/netty-transport-4-1-94-final-sources-
jar/io/netty/channel/nio/NioEventLoopGroup.java
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jar/io/netty/channel/SimpleUserEventChannelHandler.java  
\* /opt/cola/permits/1735716162\_1688166869.6417358/0/netty-transport-4-1-94-final-sources-  
jar/io/netty/channel/socket/nio/NioChannelOption.java

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jar/io/netty/util/internal/MathUtil.java  
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jar/io/netty/util/ConstantPool.java  
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- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/concurrent/SucceededFuture.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/logging/JdkLoggerFactory.java
- \*
- /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/concurrent/EventExecutorGroup.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/logging/Slf4JLogger.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/package-info.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/Attribute.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/Timeout.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/Timer.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/TimerTask.java
- \* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/Constant.java
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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/concurrent/BlockingOperationException.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/AttributeKey.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/logging/Slf4JLoggerFactory.java  
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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/AttributeMap.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/SystemPropertyUtil.java  
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jar/io/netty/util/internal/PriorityQueueNode.java
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jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
jar/io/netty/util/HashingStrategy.java
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jar/io/netty/util/concurrent/ThreadProperties.java
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 </repository>
</distributionManagement>

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<inceptionYear>2013</inceptionYear>

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 </license>
</licenses>

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 <connection>scm:git:https://github.com/JCTools/JCTools</connection>
 <tag>HEAD</tag>
</scm>

<developers>
 <developer>
 <url>https://github.com/nitsanw</url>
 </developer>
 <developer>
 <url>https://github.com/mjpt777</url>
 </developer>
 <developer>
 <url>https://github.com/RichardWarburton</url>
 </developer>
 <developer>
 <url>https://github.com/kay</url>
 </developer>
 <developer>

```

```
<url>https://github.com/franz1981</url>
</developer>
</developers>

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<maven>3.5.0</maven>
</prerequisites>

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<java.test.version>1.8</java.test.version>

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<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

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<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
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</project>
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#### Found

in path(s):

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-

jar/io/netty/util/internal/InternalThreadLocalMap.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/concurrent/FastThreadLocal.java  
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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/concurrent/PromiseAggregator.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/NativeLibraryLoader.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/AsciiString.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/concurrent/PromiseNotifier.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/Mapping.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/ThreadDeathWatcher.java  
\*  
/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/IntegerHolder.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/DomainNameMapping.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/package-info.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseLinkedQueue.java

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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedArrayQueue.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Preference.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeLongArrayAccess.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscGrowableAtomicArrayQueue.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueueUtil.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/Pow2.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscBlockingConsumerArrayQueue.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeJvmInfo.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java  
\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcArrayQueue.java  
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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java

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* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
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jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
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io.netty.util.internal.Hidden\$NettyBlockHoundIntegration

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\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/LongObjectMap.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/LongCollections.java

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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/ShortObjectHashMap.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/CharObjectMap.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/ObjectUtil.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/CharCollections.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/IntObjectHashMap.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/LongObjectHashMap.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/IntCollections.java

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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/IntObjectMap.java

\* /opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/collection/ShortCollections.java



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* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
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jar/io/netty/util/collection/ByteObjectHashMap.java
* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
jar/io/netty/util/collection/ByteObjectMap.java
* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
jar/io/netty/util/collection/CharObjectHashMap.java
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/opt/cola/permits/1735715999\_1688166888.7344394/0/netty-common-4-1-94-final-sources-jar/io/netty/util/internal/logging/FormattingTuple.java

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jar/io/netty/util/internal/PriorityQueue.java
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jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
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jar/io/netty/util/UncheckedBooleanSupplier.java
* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
jar/io/netty/util/internal/ObjectCleaner.java
* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
jar/io/netty/util/NettyRuntime.java
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jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /opt/cola/permits/1735715999_1688166888.7344394/0/netty-common-4-1-94-final-sources-
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## 1.887 treeprint 1.2.0

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# 1.889 metrics-jmx 4.2.19

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* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/AbstractTableFilter.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/VectorMemTableConfig.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/MutableOptionKey.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/MutableDBOptionsInterface.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/AbstractMutableOptions.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/MutableOptionValue.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
```

```
jar/org/rocksdb/TableProperties.java
*
/opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/HashLinkedListMemTableConfig.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/InfoLogLevel.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/SizeApproximationFlag.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/util/Environment.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/TableFilter.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/TransactionLogIterator.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/CompactionStopStyle.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/HashSkipListMemTableConfig.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/SkipListMemTableConfig.java
*
/opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/NativeLibraryLoader.java
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```

Found in path(s):

```
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/AbstractNativeReference.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/RocksMutableObject.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/AbstractImmutableNativeReference.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/Holder.java
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* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/CassandraCompactionFilter.java
* /opt/cola/permits/1743695158_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-
jar/org/rocksdb/CassandraValueMergeOperator.java
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\* /opt/cola/permits/1743695158\_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/ConfigOptions.java

\* /opt/cola/permits/1743695158\_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/ConcurrentTaskLimiterImpl.java

\* /opt/cola/permits/1743695158\_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/ConcurrentTaskLimiter.java

\* /opt/cola/permits/1743695158\_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/SanityLevel.java

\* /opt/cola/permits/1743695158\_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/ByteBufferGetStatus.java

\* /opt/cola/permits/1743695158\_1689241481.5229151/0/rocksdbjni-7-9-2-sources-1-jar/org/rocksdb/util/ByteUtil.java

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# 1.891 bouncy-castle 1.75

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# 1.892 curl 7.68.0-1ubuntu2.19

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Found in path(s):

\* /opt/cola/permits/1750760496\_1690280941.7610857/0/dropwizard-jetty-2-1-7-sources-

jar/io/dropwizard/jetty/LocalIpFilter.java

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 */
```

Found in path(s):

\* /opt/cola/permits/1750760496\_1690280941.7610857/0/dropwizard-jetty-2-1-7-sources-jar/io/dropwizard/jetty/NetUtil.java

## 1.896 metrics-servlets 4.2.19

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## 1.897 logback-throttling-appender 1.1.10

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\* /opt/cola/permits/1750760651\_1690280945.87393/0/logback-throttling-appender-1-1-10-sources-jar/META-INF/maven/io.dropwizard.logback/logback-throttling-appender/pom.xml

## 1.898 metrics-annotation 4.2.19

## 1.898.1 Available under license :

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Found in path(s):

\* /opt/cola/permits/1750760603\_1690280951.9056036/0/dropwizard-logging-2-1-7-sources-jar/io/dropwizard/logging/ResilientOutputStreamBase.java

# 1.900 dropwizard-core 2.1.7

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# 1.901 dropwizard-servlets 2.1.7

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# 1.902 dropwizard-health 2.1.7

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\* /opt/cola/permits/1750760560\_1690280964.5942748/0/dropwizard-validation-2-1-7-sources-jar/io/dropwizard/validation/InterpolationHelper.java

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## 1.910 metrics-jvm 4.2.19

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## 1.911 dropwizard-configuration 2.1.7

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## 1.912 metrics-jetty 4.2.19

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.jetty9

Build-Jdk-Spec: 11

Bundle-Description: A set of extensions for Jetty 9.3 and higher which provide instrumentation of thread pools, connector metrics, and application latency and utilization.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Integration for Jetty 9.3 and higher  
Bundle-SymbolicName: io.dropwizard.metrics.jetty9  
Bundle-Version: 4.2.19  
Created-By: Apache Maven Bundle Plugin 5.1.9  
Export-Package: com.codahale.metrics.jetty9;uses:="com.codahale.metrics,com.codahale.metrics.annotation,javax.servlet,javax.servlet.http,org.eclipse.jetty.io,org.eclipse.jetty.server,org.eclipse.jetty.server.handler,org.eclipse.jetty.util.annotation,org.eclipse.jetty.util.component,org.eclipse.jetty.util.thread";version="4.2.19"  
Implementation-Title: Metrics Integration for Jetty 9.3 and higher  
Implementation-Version: 4.2.19  
Import-Package: javax.servlet;version="[2.5.0,4.0.0)",javax.servlet.http;version="[2.5.0,4.0.0)",com.codahale.metrics;version="[4.2,5)",com.codahale.metrics.annotation;version="[4.2,5)",org.eclipse.jetty.http;version="[9.4,10)",org.eclipse.jetty.io;version="[9.4,10)",org.eclipse.jetty.server;version="[9.4,10)",org.eclipse.jetty.server.handler;version="[9.4,10)",org.eclipse.jetty.util.annotation;version="[9.4,10)",org.eclipse.jetty.util.component;version="[9.4,10)",org.eclipse.jetty.util.thread;version="[9.4,10)"  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /opt/cola/permits/1750760659\_1690280984.1164134/0/metrics-jetty9-4-2-19-jar/META-INF/MANIFEST.MF

## 1.913 metrics-logback 4.2.19

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Manifest-Version: 1.0  
Automatic-Module-Name: com.codahale.metrics.logback  
Build-Jdk-Spec: 11  
Bundle-Description: An instrumented appender for Logback.  
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>  
Bundle-ManifestVersion: 2  
Bundle-Name: Metrics Integration for Logback  
Bundle-SymbolicName: io.dropwizard.metrics.logback  
Bundle-Version: 4.2.19  
Created-By: Apache Maven Bundle Plugin 5.1.9  
Export-Package: com.codahale.metrics.logback;uses:="ch.qos.logback.classic.spi,ch.qos.logback.core,com.codahale.metrics";version="4.2.19"  
Implementation-Title: Metrics Integration for Logback  
Implementation-Version: 4.2.19  
Import-Package: ch.qos.logback.classic;version="[1.2,2)",ch.qos.logback.classic.spi;version="[1.2,2)",ch.qos.logback.core;version="[1.2,2)"

,com.codahale.metrics;version="[4.2,5)"  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\*

/opt/cola/permits/1750760511\_1690280987.966312/0/metrics-logback-4-2-19-jar/META-INF/MANIFEST.MF

## 1.914 metrics-jersey2 4.2.19

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Manifest-Version: 1.0  
Automatic-Module-Name: com.codahale.metrics.jersey2  
Build-Jdk-Spec: 11  
Bundle-Description: A set of class providing Metrics integration for Jersey, the reference JAX-RS implementation.  
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>  
Bundle-ManifestVersion: 2  
Bundle-Name: Metrics Integration for Jersey 2.x  
Bundle-SymbolicName: io.dropwizard.metrics.jersey2  
Bundle-Version: 4.2.19  
Created-By: Apache Maven Bundle Plugin 5.1.9  
Export-Package: com.codahale.metrics.jersey2;uses:="com.codahale.metrics.javax.ws.rs.core.javax.ws.rs.ext,org.glassfish.jersey.server.model,org.glassfish.jersey.server.monitoring";version="4.2.19"  
Implementation-Title: Metrics Integration for Jersey 2.x  
Implementation-Version: 4.2.19  
Import-Package: com.codahale.metrics;version="[4.2,5)",com.codahale.metrics.annotation;version="[4.2,5)",javax.ws.rs.core;version="[2.1,3)",javax.ws.rs.ext;version="[2.1,3)",org.glassfish.jersey.server;version="[2.39,3)",org.glassfish.jersey.server.model;version="[2.39,3)",org.glassfish.jersey.server.monitoring;version="[2.39,3)"  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /opt/cola/permits/1750760630\_1690280989.7830713/0/metrics-jersey2-4-2-19-jar/META-INF/MANIFEST.MF

## 1.915 maven-artifact 3.8.8

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Manifest-Version: 1.0

Bundle-Description: The RabbitMQ Java client library allows Java applications to interface with RabbitMQ.

Implementation-Title: RabbitMQ Java Client

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Implementation-Version: 5.17.0  
Bnd-LastModified: 1679415883917  
Bundle-ManifestVersion: 2  
Specification-Vendor: AMQP Working Group ([www.amqp.org](http://www.amqp.org))  
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Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316  
Implementation-Vendor: VMware, Inc. or its affiliates.  
Export-Package: com.rabbitmq.client;uses:="com.rabbitmq.client.impl,com.rabbitmq.client.impl.nio,com.rabbitmq.client.impl.recovery,com.rabbitmq.utility,javax.net,javax.net.ssl";version="5.17.0",com.rabbitmq.client.impl;uses:="com.codahale.metrics,com.rabbitmq.client,com.rabbitmq.client.impl.recovery,com.rabbitmq.utility,io.micrometer.core.instrument,io.opentelemetry.api,io.opentelemetry.api.common,javax.net,javax.net.ssl";version="5.17.0",com.rabbitmq.client.impl.nio;uses:="com.rabbitmq.client,com.rabbitmq.client.impl,javax.net.ssl";version="5.17.0",com.rabbitmq.client.impl.recovery;uses:="com.rabbitmq.client,com.rabbitmq.client.impl";version="5.17.0",com.rabbitmq.tools;version="5.17.0",com.rabbitmq.tools.json;version="5.17.0",com.rabbitmq.tools.jsonrpc;uses:="com.fasterxml.jackson.core,com.fasterxml.jackson.databind,com.rabbitmq.client";version="5.17.0",com.rabbitmq.utility;version="5.17.0"  
Bundle-Name: RabbitMQ Java Client  
Bundle-Version: 5.17.0  
Build-Jdk-Spec: 1.8  
Created-By: Apache Maven Bundle Plugin 5.1.8  
Implementation-URL: <https://www.rabbitmq.com>  
Specification-Version: 0.9.1

Found in path(s):

\* /opt/cola/permits/1758004428\_1690997396.0997193/0/amqp-client-5-17-0-jar/META-INF/MANIFEST.MF

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

/opt/cola/permits/1758004428\_1690997396.0997193/0/amqp-client-5-17-0-jar/com/rabbitmq/client/impl/AMQConnection.class: binary file matches

/opt/cola/permits/1758004428\_1690997396.0997193/0/amqp-client-5-17-0-jar/com/rabbitmq/client/impl/Copyright.class: binary file matches

Found in path(s):

\* /bin/grep

## 1.923 metrics-graphite 4.2.19

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.graphite

Build-Jdk-Spec: 11

Bundle-Description: A reporter for Metrics which announces measurements to a Graphite server.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: Graphite Integration for Metrics

Bundle-SymbolicName: io.dropwizard.metrics.graphite

Bundle-Version: 4.2.19

Created-By: Apache Maven Bundle Plugin 5.1.9

Export-Package: com.codahale.metrics.graphite;uses:="com.codahale.metrics,com.rabbitmq.client,javax.net";version="4.2.19"

Implementation-Title: Graphite Integration for Metrics

Implementation-Version: 4.2.19

Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.codahale.metrics;version="[4.2,5)",com.rabbitmq.client;version="[5.17,6)",javax.net

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /opt/cola/permits/1758004481\_1690997391.3641589/0/metrics-graphite-4-2-19-jar/META-INF/MANIFEST.MF

## 1.924 dropwizard-metrics-graphite 2.1.7

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# 1.925 x-net 0.13.0

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# 1.926 mobile-cnat-golang-lib-go-diameter

## 4.0.6-0.20230802184116-1192ff7e0992

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```
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#
Names should be added to this file as
Name or Organization <email address>
#
The email address is not required for organizations.
#
Please keep the list sorted.
#
Use the following command to generate the list
#
git shortlog -se | awk '{print $2 " " $3 " " $4}'
#
and do appropriate cleanups.
```

```
DanB <danb@cgrates.org>
David Wilkie <dwilkie@gmail.com>
Seyi Ogunyemi <micrypt@users.noreply.github.com>
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```

package spec

```
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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```

```
package spec
```

```
import "testing"
```

```
func TestIntegrationLicense(t *testing.T) {
 license := License{Name: "the name", URL: "the url"}
 const licenseJSON = `{"name":"the name","url":"the url"}`
 const licenseYAML = "name: the name\nurl: the url\n"

 assertSerializeJSON(t, license, licenseJSON)
 assertParsesJSON(t, licenseJSON, license)
}
```

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## 1.930 gopkg.in-yaml 3.0.1

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## 1.931 yaml 1.3.0

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## 1.937 structured-merge-diff 4.2.3

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## 1.940 go.uber.org/atomi 1.7.0

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\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/nonJvmMain/okio/SegmentPool.kt

\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/nonJvmMain/okio/ForwardingSource.kt

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\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/nonJvmMain/okio/Path.kt

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\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/commonMain/okio/ExperimentalFileSystem.kt

\*  
/opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/nativeMain/okio/FileSink.kt  
\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/unixMain/okio/UnixPosixVariant.kt  
\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/nativeMain/okio/PosixFileSystem.kt  
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\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/commonMain/okio/internal/SegmentedByteString.kt

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\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/hashFunctions/okio/internal/Sha256.kt

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\* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/commonMain/okio/internal/Utf8.kt

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- \* /opt/cola/permits/1779742482\_1693226770.6289008/0/okio-3-5-0-sources-1-jar/nonJvmMain/okio/BufferedSource.kt
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# 1.947 genproto-googleapis-api 0.0.0-20230822172742-b8732ec3820d

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## 1.949 x-sys 0.12.0

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# 1.952 golang 1.19.13

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```
import: ../../../../fossene/db/schema/thing.yml
```

fields:

site: string

author: root

# 1.954 x-crypto 0.13.0

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# 1.955 jetty 9.4.52.v20230823

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\* org.eclipse.jetty.orbit:javafx.mail.glassfish

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Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

-----

#### Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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#### OW2

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- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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- org.apache.taglibs:taglibs-standard-impl

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org.apache.tomcat:tomcat-jasper  
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org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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# 1.956 jetty-util 9.4.52.v20230823

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\* javax.transaction:javax.transaction-api

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org.mortbay.jasper:apache-jsp

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org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

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- \* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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- \* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- \* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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## Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

-----

## MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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## Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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# 1.958 jetty-continuation 9.4.52.v20230823

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\* org.eclipse.jetty.orbit:javafx.mail.glassfish

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Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

-----

#### Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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- org.apache.taglibs:taglibs-standard-impl

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- org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper  
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org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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# 1.959 jetty-security 9.4.52.v20230823

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org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

-----

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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# 1.960 jetty-util-ajax 9.4.52.v20230823

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- \* org.eclipse.jetty.orbit:javax.security.auth.message

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- \* org.eclipse.jetty.orbit:javax.mail.glassfish

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- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

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<http://openjdk.java.net/legal/gplv2+ce.html>

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- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
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org.eclipse.jetty.toolchain:jetty-schemas

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type OtherLicense struct {

// 10.1: License Identifier: "LicenseRef-[idstring]"

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// on SPDX License List
LicenseIdentifier string `json:"licenseId"`

// 10.2: Extracted Text
// Cardinality: conditional (mandatory, one) if there is a
// License Identifier assigned
ExtractedText string `json:"extractedText"`

// 10.3: License Name: single line of text or "NOASSERTION"
// Cardinality: conditional (mandatory, one) if license is not
// on SPDX License List
LicenseName string `json:"name,omitempty"`

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// Cardinality: conditional (optional, one or many) if license
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LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

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LicenseComment string `json:"comment,omitempty"`
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Bits of Go-lang's `once.Do()` were cribbed and reused here, too.

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```
package v2_2
```

```
// OtherLicense is an Other License Information section of an
// SPDX Document for version 2.2 of the spec.
```

```
type OtherLicense struct {
 // 10.1: License Identifier: "LicenseRef-[idstring]"
 // Cardinality: conditional (mandatory, one) if license is not
 // on SPDX License List
 LicenseIdentifier string `json:"licenseId"`
```

```
 // 10.2: Extracted Text
 // Cardinality: conditional (mandatory, one) if there is a
 // License Identifier assigned
 ExtractedText string `json:"extractedText"`
```

```
 // 10.3: License Name: single line of text or "NOASSERTION"
 // Cardinality: conditional (mandatory, one) if license is not
```

```
// on SPDX License List
LicenseName string `json:"name,omitempty"`

// 10.4: License Cross Reference
// Cardinality: conditional (optional, one or many) if license
// is not on SPDX License List
LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

//
10.5: License Comment
// Cardinality: optional, one
LicenseComment string `json:"comment,omitempty"`
}
```

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Protocol Buffers for Go with Gadgets

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

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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localtime.go, localtime\_test.go:

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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**1.966 kube-openapi 0.0.0-20230717233707-2695361300d9**

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```

package spec

```
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
 Name string `json:"name,omitempty"`
 URL string `json:"url,omitempty"`
}
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```

package spec

import "testing"

```
func TestIntegrationLicense(t *testing.T) {
 license := License{Name: "the name", URL: "the url"}
 const licenseJSON = `{"name":"the name","url":"the url"}`
}
```

```
const licenseYAML = "name: the name\nurl: the url\n"
```

```
assertSerializeJSON(t, license, licenseJSON)
assertParsesJSON(t, licenseJSON, license)
}
```

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# 1.967 kubernetes-api 0.28.2

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# 1.969 kubernetes-client 0.28.2

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```
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# 1.974 containerd 1.7.6

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metrics from the pseudo-filesystem proc.

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Changes:

- \* Renamed files from `civil*` to `localtime*`.
- \* Package changed from `civil` to `toml`.
- \* 'Local' prefix added to all structs.

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Support for streaming Protocol Buffer messages for the Go language (golang).

[https://github.com/matttproud/golang\\_protobuf\\_extensions](https://github.com/matttproud/golang_protobuf_extensions)

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Protocol Buffers for Go with Gadgets

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

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<https://github.com/golang/protobuf>

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# 1.975 kubernetes-kubectI 0.28.2

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# 1.976 sql-migrate 1.5.2

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# 1.977 kubernetes-apiserver 0.28.2

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# 1.978 google-golang-org-genproto 0.0.0-20200513103714-09dca8ec2884

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

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

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos



\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on  
\* loss of link, and correctly re-enable PHY when link is  
\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.  
\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;  
\* see init\_nicstar() for PHY initialization to change this. This driver  
\* expects the Linux ATM stack to support scatter-gather  
lists  
\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:  
\* IDT always receives data into a small buffer, then large buffers  
\* as needed. This means that data must always be copied to create  
\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)  
\* Fix is simple: make large buffers large enough to hold entire  
\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then  
\* copy small buffer contents to head of large buffer.  
\* Trick is to avoid fragmenting Linux, due to need for a lot of large  
\* buffers. This is done by 2 things:  
\* 1) skb->destructor / skb->atm.recycle\_buffer  
\* combined, allow nicstar\_free\_rx\_skb to be called to  
\* recycle large data buffers  
\* 2) skb\_clone of received buffers  
\* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation  
\* details.

\*

\*

\*

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

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# alpha.5.0.20230414071934-94593e63d45c

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* /opt/cola/permits/1814554562_1696951012.4391515/0/raft-40-zip/raft/util.go
* /opt/cola/permits/1814554562_1696951012.4391515/0/raft-40-zip/raft/log.go
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* /opt/cola/permits/1814554562_1696951012.4391515/0/raft-40-zip/raft/storage.go
* /opt/cola/permits/1814554562_1696951012.4391515/0/raft-40-zip/raft/node_bench_test.go
* /opt/cola/permits/1814554562_1696951012.4391515/0/raft-40-zip/raft/example_test.go
* /opt/cola/permits/1814554562_1696951012.4391515/0/raft-40-zip/raft/raft_paper_test.go
```

# 1.986 capnslog 0.0.0-20230327231512- ba87abf18a23

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## 1.989 mergo 0.3.13

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```
import: ../../../../fossene/db/schema/thing.yml
```

```
fields:
```

```
 site: string
```

```
 author: root
```

## 1.990 gofuzz 1.2.0

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# 1.991 urfave-cli 1.22.4

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=====

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## 1.994 x-crypto 0.14.0

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## 1.995 golang 1.20.10

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# 1.1005 jdk-zulu 8.72.0.17

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# 1.1009 x-net 0.17.0

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name: License Checker

on:

push:

branches:

- main

- release-\*

pull\_request:

branches:

- main

- release-\*

permissions:

contents: write

pull-requests: write

jobs:

check-license:

runs-on: ubuntu-latest

steps:

- name: Checkout

uses: actions/checkout@v4

- name: Check license header

uses: apache/skywalking-eyes/header@v0.5.0

with:

mode:

check

config: .github/licenserc.yml

- name: Check dependencies license

uses: apache/skywalking-eyes/dependency@v0.5.0

with:

config: .github/licenserc.yml

# 1.1011 json-java 20231013

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# 1.1012 libcxxabi 1.1.10.5

## 1.1012.1 Available under license :

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Manifest-Version: 1.0

Bnd-LastModified: 1695799258578

Bundle-ActivationPolicy: lazy

Bundle-Activator: org.xerial.snappy.SnappyBundleActivator

Bundle-Description: snappy-java: A fast compression/decompression library

Bundle-DocURL: <http://www.xerial.org/>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: snappy-java: A fast compression/decompression library

Bundle-NativeCode: org/xerial/snappy/native/Windows/x86\_64/snappyjava.

dll;osname=win32;processor=x86-64,org/xerial/snappy/native/Windows/x8

6\_64/snappyjava.dll;osname=win32;processor=x64,org/xerial/snappy/nati

ve/Windows/x86\_64/snappyjava.dll;osname=win32;processor=amd64,org/xerial/snappy/native/Windows/x86/snappyjava.dll;osname=win32;processor=x86,org/xerial/snappy/native/Mac/x86/libsnappyjava.jnilib;osname=macosx;processor=x86,org/xerial/snappy/native/Mac/x86\_64/libsnappyjava.dylib;osname=macosx;processor=x86-64,org/xerial/snappy/native/Mac/aarch64/libsnappyjava.dylib;osname=macosx;processor=aarch64,org/xerial/snappy/native/Linux/x86\_64/libsnappyjava.so;osname=linux;processor=x86-64,org/xerial/snappy/native/Linux/x86\_64/libsnappyjava.so;osname=linux;processor=x64,org/xerial/snappy/native/Linux/x86\_64/libsnappyjava.so;osname=linux;processor=amd64,org/xerial/snappy/native/Linux/x86/libsnappyjava.so;osname=linux;processor=x86,org/xerial/snappy/native/Linux/aarch64/libsnappyjava.so;osname=linux;processor=aarch64,org/xerial/snappy/native/Linux/riscv64/libsnappyjava.so;osname=linux;processor=riscv64,org/xerial/snappy/native/Linux/arm/libsnappyjava.so;osname=linux;processor=arm,org/xerial/snappy/native/Linux/armv7/libsnappyjava.so;osname=linux;processor=arm\_le,org/xerial/snappy/native/Linux/ppc64/libsnappyjava.so;osname=linux;processor=ppc64le,org/xerial/snappy/native/Linux/s390x/libsnappyjava.so;osname=linux;processor=s390x,org/xerial/snappy/native/AIX/ppc/libsnappyjava.a;osname=aix;processor=ppc,org/xerial/snappy/native/AIX/ppc64/libsnappyjava.a;osname=aix;processor=ppc64,org/xerial/snappy/native/SunOS/x86/libsnappyjava.so;osname=sunos;processor=x86,org/xerial/snappy/native/SunOS/x86\_64/libsnappyjava.so;osname=sunos;processor=x86-64,org/xerial/snappy/native/SunOS/sparc/libsnappyjava.so;osname=sunos;processor=sparc

Bundle-SymbolicName: org.xerial.snappy.snappy-java  
Bundle-Vendor: xerial.org  
Bundle-Version: 1.1.10.5  
Created-By: 11.0.20 (Azul Systems, Inc.)  
Export-Package: org.xerial.snappy;uses:="org.osgi.framework,org.xerial.snappy.buffer,org.xerial.snappy.pool";version="1.1.10",org.xerial.snappy.buffer;version="1.1.10",org.xerial.snappy.pool;version="1.1.10"  
Implementation-Title: snappy-java  
Implementation-URL: <https://github.com/xerial/snappy-java>  
Implementation-Vendor: xerial.org  
Implementation-Vendor-Id: org.xerial.snappy  
Implementation-Version: 1.1.10.5  
Import-Package: org.osgi.framework;version="[1.5,2)"  
Private-Package: org.xerial.snappy.native.AIX.ppc,org.xerial.snappy.native.AIX.ppc64,org.xerial.snappy.native.FreeBSD.x86\_64,org.xerial.snappy.native.Linux.aarch64,org.xerial.snappy.native.Linux.android-aarch64,org.xerial.snappy.native.Linux.android-arm,org.xerial.snappy.native.Linux.arm,org.xerial.snappy.native.Linux.armv6,org.xerial.snappy.native.Linux.armv7,org.xerial.snappy.native.Linux.ppc,org.xerial.snappy.native.Linux.ppc64,org.xerial.snappy.native.Linux.ppc64le,org.xerial.snappy.native.Linux.riscv64,org.xerial.snappy.native.Linux.s390x,org.xerial.snappy.native.Linux.x86,org.xerial.snappy.native.Linux.x86\_64,org.xerial.snappy.native.Mac.aarch64,org.xerial.snappy.native.Mac.x8

6,org.xerial.snappy.native.Mac.x86\_64,org.xerial.snappy.native,org.xerial.snappy.native.SunOS.sparc,org.xerial.snappy.native.SunOS.x86,org.xerial.snappy.native.SunOS.x86\_64,org.xerial.snappy.native.Windows.arch64,org.xerial.snappy.native.Windows.x86,org.xerial.snappy.native.Windows.x86\_64

Require-Capability:

osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"

Specification-Title: snappy-java

Specification-Vendor: xerial.org

Specification-Version: 1.1.10.5

Tool: Bnd-5.1.2.202007211702

Found in path(s):

\* /opt/cola/permits/1825539415\_1697666805.4214594/0/snappy-java-1-1-10-5-jar/META-INF/MANIFEST.MF

# 1.1013 lz4 1.9.3

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Upstream-Name: liblz4

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

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

Files: \*

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Upstream-Name: liblz4

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

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

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# 1.1015 pcre 8.44

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-----

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner | GPL-compatible? (1) |
|----------------|--------------|-----------|-------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI   | yes                 |

|                |           |           |            |         |
|----------------|-----------|-----------|------------|---------|
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes     |
| 1.6            | 1.5.2     | 2000      | CNRI       | no      |
| 2.0            | 1.6       | 2000      | BeOpen.com | no      |
| 1.6.1          | 1.6       | 2001      | CNRI       | yes (2) |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no      |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes     |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes     |
| 2.2            | 2.1.1     | 2001      | PSF        | yes     |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes     |
| 2.1.3          |           |           |            |         |
| 2.1.2          | 2002      | PSF       | yes        |         |
| 2.2.1          | 2.2       | 2002      | PSF        | yes     |
| 2.2.2          | 2.2.1     | 2002      | PSF        | yes     |
| 2.2.3          | 2.2.2     | 2003      | PSF        | yes     |
| 2.3            | 2.2.2     | 2002-2003 | PSF        | yes     |
| 2.3.1          | 2.3       | 2002-2003 | PSF        | yes     |
| 2.3.2          | 2.3.1     | 2002-2003 | PSF        | yes     |
| 2.3.3          | 2.3.2     | 2002-2003 | PSF        | yes     |
| 2.3.4          | 2.3.3     | 2004      | PSF        | yes     |
| 2.3.5          | 2.3.4     | 2005      | PSF        | yes     |
| 2.4            | 2.3       | 2004      | PSF        | yes     |
| 2.4.1          | 2.4       | 2005      | PSF        | yes     |
| 2.4.2          | 2.4.1     | 2005      | PSF        | yes     |
| 2.4.3          | 2.4.2     | 2006      | PSF        | yes     |
| 2.4.4          | 2.4.3     | 2006      | PSF        | yes     |
| 2.5            | 2.4       | 2006      | PSF        | yes     |
| 2.5.1          | 2.5       | 2007      | PSF        | yes     |
| 2.5.2          | 2.5.1     | 2008      | PSF        | yes     |
| 2.5.3          | 2.5.2     | 2008      | PSF        | yes     |
| 2.6            | 2.5       | 2008      | PSF        | yes     |
| 2.6.1          | 2.6       | 2008      | PSF        | yes     |
| 2.6.2          | 2.6.1     | 2009      | PSF        | yes     |
| 2.6.3          | 2.6.2     | 2009      | PSF        | yes     |
| 2.6.4          | 2.6.3     | 2009      | PSF        | yes     |
| 2.6.5          | 2.6.4     | 2010      | PSF        | yes     |
| 3.0            | 2.6       | 2008      | PSF        | yes     |
| 3.0.1          | 3.0       | 2009      | PSF        | yes     |
| 3.1            | 3.0.1     | 2009      | PSF        | yes     |
| 3.1.1          | 3.1       | 2009      | PSF        | yes     |
| 3.1.2          | 3.1       | 2010      | PSF        | yes     |
| 3.2            | 3.1       | 2010      | PSF        | yes     |

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Eclipse

The following artifacts are EPL.

\* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.  
<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons  
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

# 1.1019 python-pip 20.0.2

## 1.1019.1 Available under license :

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---------|--------------|------|-------|---------------------|
| 2.5     | 2.4          | 2006 | PSF   | yes                 |
| 2.5.1   | 2.5          | 2007 | PSF   | yes                 |
| 2.5.2   | 2.5.1        | 2008 | PSF   | yes                 |
| 2.5.3   | 2.5.2        | 2008 | PSF   |                     |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| yes   |       |      |     |     |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1.1 | 2010 | PSF | yes |
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 | PSF | yes |
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in Reston, Virginia where he released several versions of the software.

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| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
| 3.2   | 3.1   | 2010 | PSF | yes |

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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Just configure this file as the SSLCACertificateFile.#



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## 1.1023 pycryptodome 3.14.1

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## 1.1025 python-certifi 2021.10.08

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with

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Just configure this file as the SSLCertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

# 1.1026 Iz4 1.2.13

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```
* /opt/cola/permits/1826703076_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JFloat.java
```

```
*
```

```
/opt/cola/permits/1826703076_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/Index.java
```

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* /opt/cola/permits/1826703076_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/Utils.java
```



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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JMap.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JString.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/ToStringOutputArchive.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JField.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/CppGenerator.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/RecordReader.java  
\*  
/opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JFile.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/InputArchive.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/Record.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JBoolean.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JDouble.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JavaGenerator.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/BinaryInputArchive.java  
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/opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JCompType.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JByte.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/CSharpGenerator.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/CGenerator.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/OutputArchive.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JBuffer.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/JLong.java

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/opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
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jar/org/apache/jute/compiler/JRecord.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/jute/RecordWriter.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/ReconfigRequest.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/GetAllChildrenNumberResponse.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/zookeeper/txn/TxnHeader.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/zookeeper/txn/SetDataTxn.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/zookeeper/server/quorum/LearnerInfo.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/zookeeper/txn/SetACLTxn.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/zookeeper/proto/Create2Response.java

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/opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/server/quorum/QuorumPacket.java  
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jar/org/apache/zookeeper/data/StatPersisted.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/SetDataResponse.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/WhoAmIResponse.java  
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jar/org/apache/zookeeper/txn/CreateTxnV0.java  
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jar/org/apache/zookeeper/proto/GetChildrenResponse.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/GetAllChildrenNumberRequest.java  
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/opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/txn/CloseSessionTxn.java  
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jar/org/apache/zookeeper/txn/MultiTxn.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/ExistsRequest.java  
\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-  
jar/org/apache/zookeeper/proto/SetWatches2.java  
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jar/org/apache/zookeeper/data/ACL.java  
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jar/org/apache/zookeeper/txn/SetMaxChildrenTxn.java  
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jar/org/apache/zookeeper/proto/WatcherEvent.java  
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jar/org/apache/zookeeper/proto/ExistsResponse.java  
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jar/org/apache/zookeeper/proto/CreateRequest.java  
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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/package.html

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/opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/package.html

\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/org/apache/jute/compiler/generated/package.html

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\* /opt/cola/permits/1826703076\_1697786600.4966497/0/zookeeper-jute-3-8-3-sources-jar/META-INF/maven/org.apache.zookeeper/zookeeper-jute/pom.xml

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jar/org/apache/jute/compiler/generated/Rcc.java  
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jar/org/apache/jute/compiler/generated/RccConstants.java

# 1.1029 zookeeper 3.8.3

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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/ControllableConnection.java  
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/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/CommandListener.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/ZooKeeperServerController.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/util/CircularBuffer.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/util/MessageTracker.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/ControllerService.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/watch/WatcherModeManager.java

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jar/org/apache/zookeeper/server/embedded/ZooKeeperServerEmbeddedImpl.java

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jar/org/apache/zookeeper/common/PathTrie.java

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/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/common/PathUtils.java

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jar/org/apache/zookeeper/server/watch/WatchesSummary.java

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/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/watch/WatchesPathReport.java

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jar/org/apache/zookeeper/server/watch/WatchesReport.java  
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jar/org/apache/zookeeper/Transaction.java  
\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/OpResult.java  
\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/MultiResponse.java  
\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/ZooKeeperServerConf.java  
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jar/org/apache/zookeeper/server/admin/CommandResponse.java  
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jar/org/apache/zookeeper/Op.java  
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/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/MultiOperationRecord.java  
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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-jar/org/apache/zookeeper/version/VersionInfoMain.java  
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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-jar/org/apache/zookeeper/server/watch/WatchManager.java  
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/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-jar/org/apache/zookeeper/cli/RemoveWatchesCommand.java  
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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-jar/org/apache/zookeeper/server/quorum/ObserverRequestProcessor.java  
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/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/cli/SyncCommand.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/cli/GetAllChildrenNumberCommand.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/cli/VersionCommand.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/cli/GetAclCommand.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/cli/LsCommand.java

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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/quorum/MultipleAddresses.java

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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/embedded/ExitHandler.java

\*

/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/SnapshotComparer.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/ControllerServerConfig.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/TxnLogEntry.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/common/BCFKSFileLoader.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/CommandClient.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/embedded/ZooKeeperServerEmbedded.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/ControlCommand.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/watch/PathParentIterator.java

\*

/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/controller/ControllableConnectionFactory.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/watch/WatcherMode.java

\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/util/CircularBlockingQueue.java

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\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/ContainerManager.java  
\*  
/opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/EphemeralTypeEmulate353.java  
\* /opt/cola/permits/1826703069\_1697786603.4745054/0/zookeeper-3-8-3-sources-  
jar/org/apache/zookeeper/server/EphemeralType.java

# 1.1030 jetty-client 9.4.52.v20230823

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The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message

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\* org.eclipse.jetty.orbit:javax.mail.glassfish

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## Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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## Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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## OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm



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Apache

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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The End

# 1.1041 json-logging 1.3.0

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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/ValidationException.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/util/JAXBResult.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/ContextFinder.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/Validator.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/util/ValidationEventCollector.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/helpers/ParseConversionEventImpl.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-

jar/javax/xml/bind/NotIdentifiableEvent.java  
\*  
/opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/JAXBException.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/helpers/ValidationEventImpl.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/UnmarshallerHandler.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/Messages.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/util/JAXBSource.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/util/Messages.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/TypeConstraintException.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/helpers/PrintConversionEventImpl.java  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/package.html

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jar/javax/xml/bind/annotation/XmlAnyAttribute.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlMimeType.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlList.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlAccessorOrder.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlAccessorType.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlAnyElement.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/attachment/AttachmentMarshaller.java  
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jar/javax/xml/bind/attachment/AttachmentUnmarshaller.java  
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jar/javax/xml/bind/annotation/XmlAccessOrder.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlSchemaTypes.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlMixed.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/annotation/XmlAttachmentRef.java

\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/DomHandler.java

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/opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlElementWrapper.java

\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlInlineBinaryData.java

\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/SchemaOutputResolver.java

\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlSchemaType.java

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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlElements.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlElementRefs.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlIDREF.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/ParseConversionEvent.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/adapters/NormalizedStringAdapter.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlID.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlRootElement.java  
\*  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapters.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlNs.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlType.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.java  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/JAXBIntrospector.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlElementDecl.java  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/PropertyException.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/PrintConversionEvent.java

\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlEnum.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlElement.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlSchema.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlTransient.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlAttribute.java  
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/opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlEnumValue.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/adapters/HexBinaryAdapter.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlRegistry.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlNsForm.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlValue.java  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/JAXBPermission.java

\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/WhiteSpaceProcessor.java

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

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

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovnt != 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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\*  
\*  
\*/

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# 1.1044 opentracing-go 1.2.0

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type OtherLicense struct {

    // 10.1: License Identifier: "LicenseRef-[idstring]"

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    LicenseIdentifier string `json:"licenseId"`

    // 10.2: Extracted Text

    // Cardinality: conditional (mandatory, one) if there is a

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    ExtractedText string `json:"extractedText"`

    // 10.3: License Name: single line of text or "NOASSERTION"

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    LicenseName string `json:"name,omitempty"`

    // 10.4: License Cross Reference

    // Cardinality: conditional (optional, one or many) if license

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    LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

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    // 10.5: License Comment

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    LicenseComment string `json:"comment,omitempty"`

    }

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// SPDX Document for version 2.2 of the spec.

type OtherLicense struct {

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// Cardinality: conditional (mandatory, one) if license is not

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LicenseIdentifier string `json:"licenseId"`

// 10.2: Extracted Text

// Cardinality: conditional (mandatory, one) if there is a

// License Identifier assigned

ExtractedText string `json:"extractedText"`

// 10.3: License Name: single line of text or "NOASSERTION"

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LicenseName string `json:"name,omitempty"`

// 10.4: License Cross Reference

// Cardinality: conditional (optional, one or many) if license

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LicenseCrossReferences []string `json:"seeAlsos,omitempty"`

//

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LicenseComment string `json:"comment,omitempty"`

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Protocol Buffers for Go with Gadgets

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

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<https://github.com/golang/protobuf>

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[localtime.go](https://localtime.go), [localtime\\_test.go](https://localtime_test.go):

Originals:

<https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go>

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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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  
slave/kpropd\_rpc.c  
slave/kproplog.c

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# Contributions to the urllib3 project

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## ## Contributors

In chronological order:

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\* HTTPS patch (which inspired HTTPSConnectionPool)

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\* NTLM-authenticated HTTPSConnectionPool

\* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)

\* niphlod <niphlod@gmail.com>

\* Client-verified SSL certificates for HTTPSConnectionPool

\* Response gzip and deflate encoding support

\* Better unicode support for filepost using StringIO buffers

\* btoconnor <brian@btoconnor.net>

\* Non-multipart encoding for POST requests

\* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>

\* Code review, PEP8 compliance, benchmark fix

\* kennethreitz <me@kennethreitz.com>

\* Bugfixes, suggestions, Requests integration

\* georgemarshall <<https://github.com/georgemarshall>>

\* Bugfixes, Improvements and Test

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\* Python 3 support

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\* Design review, bugfixes, test coverage.

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\* IPv6 url support and test coverage

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\* Support for explicitly closing pooled connections

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\* Corrected multipart behavior for params



- \* Thomas Weischuh <thomas@t-8ch.de>
- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
- \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
- \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield  
<<https://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
- \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- \* Fixed a race condition
  
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- \* Added HTTPS (CONNECT) proxy support
  
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- \* Added abstraction for granular control of request fields
  
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- \* Support for non-ASCII header parameters
  
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- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality

- \* Danilo @dbrgn <<https://dbrgn.ch/>>
  - \* Disabled TLS compression by default on Python 3.2+
  - \* Disabled TLS compression in pyopenssl contrib module
  - \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <[roman.bogorodskiy@ericsson.com](mailto:roman.bogorodskiy@ericsson.com)>
  - \* Account retries on proxy errors
  
- \* Nicolas Delaby <[nicolas.delaby@ezeep.com](mailto:nicolas.delaby@ezeep.com)>
  - \* Use the platform-specific CA certificate locations
  
- \* Josh Schneier <<https://github.com/jschneier>>
  - \* HTTPHeaderDict and associated tests and docs
  - \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <<http://tahia.tk/>>
  - \* Added Timeout examples in docs
  
- \* Arthur Grunseid <<https://grunseid.com>>
  - \* source\_address support and tests (with <https://github.com/bui>)
  
- \* Ian Cordasco <[graffatcolmingov@gmail.com](mailto:graffatcolmingov@gmail.com)>
  - \* PEP8 Compliance and Linting
  - \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <[erik.tollerud@gmail.com](mailto:erik.tollerud@gmail.com)>
  - \* Support for standard library io module.
  
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- \* Aaron Meurer  
<[asmeurer@gmail.com](mailto:asmeurer@gmail.com)>
  - \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <[abacabadabacaba@gmail.com](mailto:abacabadabacaba@gmail.com)>
  - \* Bugfixes
  
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  - \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <[github@sornars.com](mailto:github@sornars.com)>
  - \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <[alex.gaynor@gmail.com](mailto:alex.gaynor@gmail.com)>
  - \* Updates to the default SSL configuration

- \* Tomas Tomecek <tomecek@redhat.com>
  - \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <https://github.com/tlynn>
  - \* Respect the warning preferences at import.
  
- \* David D. Riddle <ddriddle@illinois.edu>
  - \* IPv6 bugfixes in testsuite
  
- \* Thea Flowers <magicalgirl@google.com>
  - \* App Engine environment tests.
  - \* Documentation re-write.
  
- \* John Krauss <https://github.com/talos>
  - \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <https://github.com/Disassem>
  - \* Fix pool-default headers not applying for url-encoded requests like GET.
  
- \* James Atherfold <jlatherfold@hotmail.com>
  - \* Bugfixes relating to cleanup of connections during errors.
  
- \* Christian Pedersen <https://github.com/chripede>
  - \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <https://github.com/jmoldow>
  - \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
  - \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
  - \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <https://github.com/obi1kenobi>
  - \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <https://github.com/a-tal>
  - \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <https://evanmeagher.net>
  - \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <jayvdb@gmail.com>
  - \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <andy.m.caldwell@googlemail.com>
  - \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <ville.skytta@iki.fi>
  - \* Logging efficiency

improvements, spelling fixes, Travis config.

\* Shige Takeda <smtakeda@gmail.com>

\* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

\* Jess Shapiro <jesse@jesseshapiro.net>

\* Various character-encoding fixes/tweaks

\* Disabling IPv6 DNS when IPv6 connections not supported

\* David Foster <http://dafoster.net/>

\* Ensure order of request and response headers are preserved.

\* Jeremy Cline <jeremy@jcline.org>

\* Added connection pool keys by scheme

\* Aviv Palivoda <palaviv@gmail.com>

\* History list to Retry object.

\* HTTPResponse contains the last Retry object.

\* Nate Prewitt <nate.prewitt@gmail.com>

\* Ensure timeouts are not booleans and greater than zero.

\* Fixed infinite loop in ``stream`` when amt=None.

\* Added length\_remaining to determine remaining data to be read.

\* Added enforce\_content\_length to raise exception when incorrect content-length received.

\* Seth Michael Larson <sethmichaellarson@protonmail.com>

\* Created selectors backport that supports PEP 475.

\* Alexandre Dias <alex.dias@smarkets.com>

\* Don't retry on timeout if method not in whitelist

\* Moinuddin Quadri <moin18@gmail.com>

\* Lazily load idna package

\* Tom White <s6yg1ez3@mail2tor.com>

\* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

\* Tim Burke <tim.burke@gmail.com>

\* Stop buffering entire deflate-encoded responses.

\* Tuukka Mustonen <tuukka.mustonen@gmail.com>

\* Add counter for status\_forcelist retries.

\* Erik Rose <erik@mozilla.com>

\* Bugfix to pyopenssl vendoring

\* Wolfgang Richter <wolfgang.richter@gmail.com>

\* Bugfix related to loading full certificate chains with PyOpenSSL backend.

- \* Mike Miller <github@mikeage.net>
- \* Logging improvements to include the HTTP(S) port when opening a new connection
  
- \* Ioannis Tziakos <mail@itziakos.gr>
- \* Fix ``util.selectors.\_fileobj\_to\_fd`` to accept ``long``.
- \* Update appveyor tox setup to use the 64bit python.
  
- \* Akamai  
(through Jess Shapiro) <jshapiro@akamai.com>
- \* Ongoing maintenance; 2017-2018
  
- \* Dominique Leuenberger <dimstar@opensuse.org>
- \* Minor fixes in the test suite
  
- \* Will Bond <will@wbond.net>
- \* Add Python 2.6 support to ``contrib.securetransport``
  
- \* Aleksei Alekseev <alekseev.yeskela@gmail.com>
- \* using auth info for socks proxy
  
- \* Chris Wilcox <git@crwilcox.com>
- \* Improve contribution guide
- \* Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior
  
- \* Bruce Merry <https://www.brucemerry.org.za>
- \* Fix leaking exceptions when system calls are interrupted with zero timeout
  
- \* Hugo van Kemenade <https://github.com/hugovk>
- \* Drop support for EOL Python 2.6
  
- \* Tim Bell <https://github.com/timb07>
- \* Bugfix for responses with Content-Type: message/\* logging warnings
  
- \* Justin Bramley <https://github.com/jbramleycl>
- \* Add ability to handle multiple Content-Encodings
  
- \* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- \* Remove Authorization header  
regardless of case when redirecting to cross-site
  
- \* James Meickle <https://permadeath.com/>
- \* Improve handling of Retry-After header
  
- \* Chris Jerdonek <chris.jerdonek@gmail.com>
- \* Remove a spurious TypeError from the exception chain inside  
HTTPConnectionPool.\_make\_request(), also for BaseExceptions.

\* [Your name or handle] <[email or website]>

\* [Brief summary of your changes]

# 1.1049 golang 1.20.11

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# 1.1050 procps 3.3.16-1ubuntu2.4

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## 1.1051 cobra 1.1.3

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# 1.1052 goprotobuf 1.5.0

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# 1.1053 apt 2.0.10

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of



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| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---------|--------------|------|-------|---------------------|
| 2.5     | 2.4          | 2006 | PSF   | yes                 |
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| 3.2.1   | 3.2          | 2011 | PSF   | yes                 |
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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |



|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.2.3 | 2.2.2 | 2003      | PSF | yes |
| 2.3   | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3   | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.4.4 | 2.4.3 | 2006      | PSF | yes |
| 2.5   | 2.4   | 2006      | PSF | yes |
| 2.5.1 | 2.5   | 2007      | PSF | yes |
| 2.5.2 | 2.5.1 | 2008      | PSF | yes |
| 2.5.3 | 2.5.2 | 2008      | PSF | yes |
| 2.6   | 2.5   | 2008      | PSF | yes |
| 2.6.1 | 2.6   | 2008      | PSF | yes |
| 2.6.2 | 2.6.1 | 2009      | PSF | yes |
| 2.6.3 | 2.6.2 | 2009      | PSF | yes |
| 2.6.4 | 2.6.3 | 2009      | PSF | yes |
| 2.6.5 | 2.6.4 | 2010      | PSF | yes |
| 3.0   | 2.6   | 2008      | PSF | yes |
| 3.0.1 | 3.0   | 2009      | PSF | yes |
| 3.1   | 3.0.1 | 2009      | PSF | yes |
| 3.1.1 | 3.1   | 2009      | PSF | yes |
| 3.1.2 | 3.1   | 2010      | PSF | yes |
| 3.2   | 3.1   | 2010      | PSF | yes |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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# 1.1055 wheel 0.34.2

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# 1.1057 otel-exporters-otlp-otlptrace 1.20.0

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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## By Mike Hamburg (Stanford University), 2009

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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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## 1.1065 importlib-metadata 4.11.1

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# 1.1067 perl 5.30.0-9ubuntu0.5

## 1.1067.1 Available under license :

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?RCS:

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?RCS:

?MAKE:d\_fchdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fchdir:

?S: This variable conditionally defines the HAS\_FCHDIR symbol, which

?S: indicates to the C program that the fchdir() routine is available.

?S:.

?C:HAS\_FCHDIR:

?C: This symbol, if defined, indicates that the fchdir routine is

?C: available to change directory using a file descriptor.

?C:.

?H:#\$d\_fchdir HAS\_FCHDIR /\*\*/

?H:.

?LINT:set d\_fchdir

: see if fchdir exists

set fchdir d\_fchdir

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fchdir.U

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?RCS:

?MAKE:d\_lgamma\_r: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lgamma\_r:

?S: This variable conditionally defines the HAS\_LGAMMA\_R symbol, which

?S: indicates to the C program that the lgamma\_r() routine is available

?S: for the log gamma function, without using the global signgam variable.

?S:.

?C:HAS\_LGAMMA\_R:

?C: This symbol, if defined, indicates that the lgamma\_r routine is

?C: available to do the log gamma function without using the global

?C: signgam variable.

?C:.

?H:#\$d\_lgamma\_r HAS\_LGAMMA\_R /\*\*/

?H:.

?LINT:set d\_lgamma\_r

: see if lgamma\_r exists

set lgamma\_r d\_lgamma\_r

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lgamma\_r.U

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?RCS:

?MAKE:d\_expm1: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_expm1:

?S: This variable conditionally defines the HAS\_EXPM1 symbol, which

?S: indicates to the C program that the expm1() routine is available.

?S:.

?C:HAS\_EXPM1:

?C: This symbol, if defined, indicates that the expm1 routine is

?C: available to do the exp(x) - 1 when x is near 1 function.

?C:.

?H:#\$d\_expm1 HAS\_EXPM1 /\*\*/

?H:.

?LINT:set d\_expm1

: see if expm1 exists

set expm1 d\_expm1

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_expm1.U

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/\*

\* \$Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

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\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* Original Author: unknown, got this off net.sources

\*

\* \$Log: getopt.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:40 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/getopt.C

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?RCS:

?MAKE:i\_quadmath: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_quadmath:

?S: This variable conditionally defines I\_QUADMATH, which indicates

?S: to the C program that it should include <quadmath.h>.

?S:.

?C:I\_QUADMATH:

?C: This symbol, if defined, indicates that <quadmath.h> exists and

?C: should be included.

?C:.

?H:#\$i\_quadmath I\_QUADMATH /\*\*/

?H:.

?LINT:set i\_quadmath

: see if this is a quadmath.h system

set quadmath.h i\_quadmath

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_quadmath.U

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?RCS:

?MAKE:d\_writev: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_writev:

?S: This variable conditionally defines the HAS\_WRITEV symbol, which

?S: indicates to the C program that the writev() routine is available.

?S:.

?C:HAS\_WRITEV:

?C: This symbol, if defined, indicates that the writev routine is

?C: available to do scatter writes.

?C:.  
?H:#\$d\_writev HAS\_WRITEV /\*\*/  
?H:.  
?LINT:set d\_writev  
: see if writev exists  
set writev d\_writev  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_writev.U

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?RCS:

?MAKE:d\_round: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_round:

?S: This variable conditionally defines the HAS\_ROUND symbol, which

?S: indicates to the C program that the round() routine is available.

?S:.

?C:HAS\_ROUND:

?C: This symbol, if defined, indicates that the round routine is

?C: available to round to nearest integer, away from zero.

?C:.

?H:#\$d\_round HAS\_ROUND /\*\*/  
?H:.

?LINT:set d\_round

: see if round exists

set round d\_round

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_round.U

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?RCS:

?MAKE:d\_getmnt: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getmnt:

?S: This variable conditionally defines the HAS\_GETMNT symbol, which

?S: indicates to the C program that the getmnt() routine is available

?S: to retrieve one or more mount info blocks by filename.

?S:.

?C:HAS\_GETMNT:

?C: This symbol, if defined, indicates that the getmnt routine is

?C: available to get filesystem mount info by filename.

?C:.

?H:#\$d\_getmnt HAS\_GETMNT /\*\*/

?H:.

?LINT:set d\_getmnt

: see if getmnt exists

set getmnt d\_getmnt

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getmnt.U

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?RCS:

?MAKE:d\_strnlen: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strnlen:

?S: This variable conditionally defines the HAS\_STRNLEN symbol, which

?S: indicates to the C program that the strnlen () routine is available.

?S:.

?C:HAS\_STRNLEN:

?C: This symbol, if defined, indicates that the strnlen () routine is

?C: available to check the length of a string up to a maximum.

?C:.

?H:#\$d\_strnlen HAS\_STRNLEN /\*\*/

?H:.

?LINT:set d\_strnlen

: see if strnlen exists

set strnlen d\_strnlen

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strnlen.U

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```
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?RCS:
?MAKE:d_getfsstat : Inlibc
?MAKE:-pick add $@ %<
?S:d_getfsstat:
?S: This variable conditionally defines the HAS_GETFSSTAT symbol, which
?S: indicates to the C program that the getfsstat() routine is available.
?S:.
?C:HAS_GETFSSTAT:
?C: This symbol, if defined, indicates that the getfsstat routine is
?C: available to stat filesystems in bulk.
?C:.
?H:#$d_getfsstat HAS_GETFSSTAT /**/
?H:.
?LINT:set d_getfsstat
: see if getfsstat exists
set getfsstat d_getfsstat
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getfsstat.U
```

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```
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?RCS:
?MAKE:d_scalbnl: Inlibc
?MAKE:-pick add $@ %<
?S:d_scalbnl:
?S: This variable conditionally defines the HAS_SCALBNL symbol, which
?S: indicates to the C program that the scalbnl() routine is available.
?S: If ilogbl is also present we can emulate frexpl.
?S:.
?C:HAS_SCALBNL:
?C: This symbol, if defined, indicates that the scalbnl routine is
?C: available. If ilogbl is also present we can emulate frexpl.
```



?C:.  
?H:#\$d\_scalbnl HAS\_SCALBNL /\*\*/  
?H:.  
?LINT:set d\_scalbnl  
: see if scalbnl exists  
set scalbnl d\_scalbnl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_scalbnl.U

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?RCS:  
?MAKE:d\_qgcvt: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_qgcvt:  
?S: This variable conditionally defines the HAS\_QGCVT symbol, which  
?S: indicates to the C program that the qgcvt() routine is available.  
?S:.  
?C:HAS\_QGCVT:  
?C: This symbol, if defined, indicates that the qgcvt routine is  
?C: available to convert long doubles ("quad doubles") to strings.  
?C: This is a low-level routine hopefully faster than sprintf.  
?C:.  
?H:#\$d\_qgcvt HAS\_QGCVT /\*\*/  
?H:.  
?LINT:set d\_qgcvt  
: see if qgcvt exists  
set qgcvt d\_qgcvt  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_qgcvt.U

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?RCS:

?MAKE:d\_towupper: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_towupper:

?S: This variable conditionally defines the HAS\_TOWUPPER symbol, which

?S: indicates to the C program that the towupper() routine is available.

?S:.

?C:HAS\_TOWUPPER:

?C: This symbol, if defined, indicates that the towupper () routine is

?C: available to do case conversion.

?C:.

?H:#\$d\_towupper HAS\_TOWUPPER /\*\*/

?H:.

?LINT:set d\_towupper

: see if towupper exists

set towupper d\_towupper

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_towupper.U

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?RCS:

?MAKE:i\_langinfo: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_langinfo:

?S: This variable conditionally defines the I\_LANGINFO symbol,

?S: and indicates whether a C program should include <langinfo.h>.

?S:.

?C:I\_LANGINFO:

?C: This symbol, if defined, indicates that <langinfo.h> exists and

?C: should be included.

?C:.

?H:#\$i\_langinfo I\_LANGINFO /\*\*/

?H:.

?LINT:set i\_langinfo

: see if this is a langinfo.h system

set langinfo.h i\_langinfo

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_langinfo.U

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?RCS:

?MAKE:d\_lrintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lrintl:

?S: This variable conditionally defines the HAS\_LRINTL symbol, which

?S: indicates to the C program that the lrintl() routine is available

?S: to return the integral value closest to a long double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LRINTL:

?C: This symbol, if defined, indicates that the lrintl routine is

?C: available to return the integral value closest to a long double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_lrintl HAS\_LRINTL /\*\*/

?H:.

?LINT:set d\_lrintl

: see if lrintl exists

set lrintl d\_lrintl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lrintl.U

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?RCS: \$Id: i\_sysmount.U,v \$

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?RCS:

?MAKE:i\_sysmount: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysmount:

?S: This variable conditionally defines the I\_SYSMOUNT symbol,

?S: and indicates whether a C program should include <sys/mount.h>.

?S:.

?C:I\_SYS\_MOUNT:

?C: This symbol, if defined, indicates that <sys/mount.h> exists and

```
?C: should be included.
?C:.
?H:#$i_sysmount I_SYS_MOUNT /**/
?H:.
?LINT:set i_sysmount
: see if this is a sys/mount.h system
set sys/mount.h i_sysmount
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysmount.U
```

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

```
?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
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?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Null.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:10 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ". This
?X: probably isn't necessary, but I'm paranoid. About certain things.
?X:
?MAKE:Null: Head
?MAKE: -pick add.Null $@ %<
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Null.U
```

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

```
?RCS: $Id: i_sysuio.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysuio: Inhdr
```

?MAKE: -pick add \$@ %<  
?S:i\_sysuio:  
?S: This variable conditionally defines the I\_SYSUIO symbol, and indicates  
?S: whether a C program should include <sys/uio.h>.  
?S:.  
?C:I\_SYSUIO:  
?C: This symbol, if defined, indicates that <sys/uio.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_sysuio I\_SYSUIO /\*\*/  
?H:.  
?LINT:set i\_sysuio  
: see if this is a sys/uio.h system  
set sys/uio.h i\_sysuio  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_sysuio.U

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?RCS:

?MAKE:d\_nan: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nan:

?S: This variable conditionally defines HAS\_NAN if nan() is

?S: available to generate NaN.

?S:.

?C:HAS\_NAN:

?C: This symbol, if defined, indicates that the nan routine is

?C: available to generate NaN.

?C:.

?H:#\$d\_nan HAS\_NAN /\*\*/  
?H:.

?LINT:set d\_nan

: see if nan exists

set nan d\_nan

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nan.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:full\_ar: ar  
?MAKE: -pick add \$@ %<  
?S:full\_ar:  
?S: This variable contains the full pathname to 'ar', whether or  
?S: not the user has specified 'portability'. This is only used  
?S: in the Makefile.SH.  
?S:.  
: Store the full pathname to the ar program for use in the C program  
: Respect a hint or command line value for full\_ar.  
case "\$full\_ar" in  
") full\_ar=\$ar ;;  
esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Loc\_ar.U

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

?RCS: \$Id: i\_shadow.U,v \$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_prot: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_prot:  
?S: This variable conditionally defines the I\_PROT symbol, and indicates  
?S: whether a C program should include <prot.h>.  
?S:.  
?C:I\_PROT:  
?C: This symbol, if defined, indicates that <prot.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_prot I\_PROT /\*\*/  
?H:.  
?LINT:set i\_prot  
: see if this is a prot.h system  
set prot.h i\_prot

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_prot.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getnameinfo: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getnameinfo:

?S: This variable conditionally defines the HAS\_GETNAMEINFO symbol,

?S: which indicates to the C program that the getnameinfo() function

?S: is available.

?S:.

?C:HAS\_GETNAMEINFO:

?C: This symbol, if defined, indicates that the getnameinfo() function

?C: is available for use.

?C:.

?H:#\$d\_getnameinfo HAS\_GETNAMEINFO /\*\*/

?H:.

?LINT:set d\_getnameinfo

: see if getnameinfo exists

set getnameinfo d\_getnameinfo

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getnameinfo.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_recvmsg: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_recvmsg:

?S: This variable conditionally defines the HAS\_RECVMSG symbol, which

?S: indicates to the C program that the recvmsg() routine is available.

?S:.

?C:HAS\_RECVMSG:

?C: This symbol, if defined, indicates that the recvmsg routine is

?C: available to send structured socket messages.

?C:.

?H:#\$d\_recvmsg HAS\_RECVMSG /\*\*/

?H:.

?LINT:set d\_recvmsg

: see if recvmsg exists

set recvmsg d\_recvmsg

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_recvmsg.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS:

?MAKE:d\_sendmsg: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_sendmsg:

?S: This variable conditionally defines the HAS\_SENDMSG symbol, which

?S: indicates to the C program that the sendmsg() routine is available.

?S:.

?C:HAS\_SENDMSG:

?C: This symbol, if defined, indicates that the sendmsg routine is

?C: available to send structured socket messages.

?C:.

?H:#\$d\_sendmsg HAS\_SENDMSG /\*\*/

?H:.

?LINT:set d\_sendmsg

: see if sendmsg exists

set sendmsg d\_sendmsg

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sendmsg.U

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

?RCS: \$Id\$



?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_readv: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_readv:  
?S: This variable conditionally defines the HAS\_READV symbol, which  
?S: indicates to the C program that the readv() routine is available.  
?S:.  
?C:HAS\_READV:  
?C: This symbol, if defined, indicates that the readv routine is  
?C: available to do gather reads. You will also need <sys/uio.h>  
?C: and there I\_SYSUIO.  
?C:.  
?H:#\$d\_readv HAS\_READV /\*\*/  
?H:.  
?LINT:set d\_readv  
: see if readv exists  
set readv d\_readv  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_readv.U

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

?RCS: \$Id: i\_bfd.U,v \$  
?RCS:  
?RCS: Copyright (c) 2014 H.Merijn Brand  
?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_bfd: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_bfd:  
?S: This variable conditionally defines the I\_BFD symbol, and  
?S: indicates whether a C program can include <bfd.h>.  
?S:.  
?C:I\_BFD:  
?C: This symbol, if defined, indicates that <bfd.h> exists and  
?C: can be included.  
?C:.  
?H:#\$i\_bfd I\_BFD /\*\*/  
?H:.

```
?LINT:set i_bfd
: see if this is a bfd.h system
set bfd.h i_bfd
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_bfd.U
```

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

```
?RCS: $Id: i_sunmath.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_sunmath: Inhdr Hasfield
```

```
?MAKE:-pick add $@ %<
```

```
?S:i_sunmath:
```

```
?S: This variable conditionally defines the I_SUNMATH symbol, and indicates
```

```
?S: whether a C program should include <sunmath.h>.
```

```
?S:.
```

```
?C:I_SUNMATH:
```

```
?C: This symbol, if defined, indicates that <sunmath.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_sunmath I_SUNMATH /**/
```

```
?H:.
```

```
?LINT:set i_sunmath
```

```
: see if this is a sunmath.h system
```

```
set sunmath.h i_sunmath
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sunmath.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_atoll: Inlibc
```

```
?MAKE:-pick add $@ %<
```

?S:d\_atoll:  
?S: This variable conditionally defines the HAS\_ATOLL symbol, which  
?S: indicates to the C program that the atoll() routine is available.  
?S:.  
?C:HAS\_ATOLL:  
?C: This symbol, if defined, indicates that the atoll routine is  
?C: available to convert strings into long longs.  
?C:.  
?H:#\$d\_atoll HAS\_ATOLL /\*\*/  
?H:.  
?LINT:set d\_atoll  
: see if atoll exists  
set atoll d\_atoll  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/atoll.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2009 H.Merijn Brand  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_inetpton: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_inetpton:  
?S: This variable conditionally defines the HAS\_INETPTON symbol,  
?S: which indicates to the C program that the inet\_pton() function  
?S: is available.  
?S:.  
?C:HAS\_INETPTON:  
?C: This symbol, if defined, indicates that the inet\_pton() function  
?C: is available to parse IPv4 and IPv6 strings.  
?C:.  
?H:#\$d\_inetpton HAS\_INETPTON /\*\*/  
?H:.  
?LINT:set d\_inetpton  
: see if inet\_pton exists  
set inet\_pton d\_inetpton  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_inetpton.U

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?RCS:

?MAKE:d\_remainder: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_remainder:

?S: This variable conditionally defines the HAS\_REMAINDER symbol, which

?S: indicates to the C program that the remainder() routine is available.

?S:.

?C:HAS\_REMAINDER:

?C: This symbol, if defined, indicates that the remainder routine is

?C: available to return the floating-point remainder.

?C:.

?H:#\$d\_remainder HAS\_REMAINDER /\*\*/

?H:.

?LINT:set d\_remainder

: see if remainder exists

set remainder d\_remainder

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_remainder.U

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Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/files/Jmake.tmpl

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

?RCS: \$Id: i\_syslog.U,v \$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_syslog: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_syslog:

?S: This variable conditionally defines the I\_SYSLOG symbol,

?S: and indicates whether a C program should include <syslog.h>.

?S:.

?C:I\_SYSLOG:

?C: This symbol, if defined, indicates that <syslog.h> exists and

?C: should be included.

?C:.

?H:#\$i\_syslog I\_SYSLOG /\*\*/

?H:.

?LINT:set i\_syslog

: see if this is a syslog.h system

set syslog.h i\_syslog

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_syslog.U

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

\* Feel free to modify any of this as the need arises.&nbsp;&nbsp; Note, however,

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/metaconfig.html

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

?RCS: \$Id: i\_sysmode.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysmode: Inhdr Hasfield

?MAKE:-pick add \$@ %<

?S:i\_sysmode:

?S: This variable conditionally defines the I\_SYSMODE symbol,

?S: and indicates whether a C program should include <sys/mode.h>.

?S:.

?C:I\_SYSMODE:

?C: This symbol, if defined, indicates that <sys/mode.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysmode I\_SYSMODE /\*\*/

?H:.

?LINT:set i\_sysmode

: see if this is a sys/mode.h system

set sys/mode.h i\_sysmode

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/i\_sysmode.U

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

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fdclose: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fdclose:

?S: This variable conditionally defines the HAS\_FDCLOSE symbol, which

?S: indicates to the C program that the fdclose() routine is available.

?S:.

?C:HAS\_FDCLOSE:

?C: This symbol, if defined, indicates that the fdclose routine is

?C: available to free a FILE structure without closing the underlying

?C: file descriptor. This function appeared in FreeBSD 10.2.

?C:.

?H:#\$d\_fdclose HAS\_FDCLOSE /\*\*/

?H:.

?LINT:set d\_fdclose

: see if fdclose exists

set fdclose d\_fdclose

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_fdclose.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d\_isfinitel: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_isfinitel:

?S: This variable conditionally defines the HAS\_ISFINITEL symbol, which

?S: indicates to the C program that the isfinitel() routine is available.

?S:.

?C:HAS\_ISFINITEL:

?C: This symbol, if defined, indicates that the isfinitel routine is

?C: available to check whether a long double is finite.

?C: (non-infinity non-NaN).

?C:.

?H:#\$d\_isfinitel HAS\_ISFINITEL /\*\*/

```
?H:
?LINT:set d_isfinitel
: see if isfinitel exists
set isfinitel d_isfinitel
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_isfinitel.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
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```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_strtod_l: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_strtod_l:
```

```
?S: This variable conditionally defines the HAS_STRTOD_L symbol, which
```

```
?S: indicates to the C program that the strtod_l() routine is available.
```

```
?S:.
```

```
?C:HAS_STRTOD_L:
```

```
?C: This symbol, if defined, indicates that the strtod_l routine is
```

```
?C: available to convert strings to long doubles.
```

```
?C:.
```

```
?H:#$d_strtod_l HAS_STRTOD_L /**/
```

```
?H:
```

```
?LINT:set d_strtod_l
```

```
: see if strtod_l exists
```

```
set strtod_l d_strtod_l
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_strtod_l.U
```

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

```
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```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_lround: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_lround:
```

```
?S: This variable conditionally defines the HAS_LROUND symbol, which
```

```
?S: indicates to the C program that the lround() routine is available
```

?S: to return the integral value nearest to x.

?S:.

?C:HAS\_LROUND:

?C: This symbol, if defined, indicates that the lround routine is

?C: available to return the nearest integral value.

?C:.

?H:#\$d\_lround HAS\_LROUND /\*\*/

?H:.

?LINT:set d\_lround

: see if lround exists

set lround d\_lround

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lround.U

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?RCS:

?MAKE:d\_nextafter: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nextafter:

?S: This variable conditionally defines HAS\_NEXTAFTER if nextafter()

?S: is available to return the next machine representable double from

?S: x in direction y.

?S:.

?C:HAS\_NEXTAFTER:

?C: This symbol, if defined, indicates that the nextafter routine is

?C: available to return the next machine representable double from

?C: x in direction y.

?C:.

?H:#\$d\_nextafter HAS\_NEXTAFTER /\*\*/

?H:.

?LINT:set d\_nextafter

: see if nextafter exists

set nextafter d\_nextafter

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nextafter.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi



```

?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fseeko: Inlibc longsize
?MAKE: -pick add $@ %<
?S:d_fseeko:
?S: This variable conditionally defines the HAS_FSEEKO symbol, which
?S: indicates to the C program that the fseeko() routine is available.
?S:.
?C:HAS_FSEEKO:
?C: This symbol, if defined, indicates that the fseeko routine is
?C: available to fseek beyond 32 bits (useful for ILP32 hosts).
?C:.
?H:#$d_fseeko HAS_FSEEKO /**/
?H:.
?LINT:set d_fseeko
: see if fseeko exists
set fseeko d_fseeko
eval $inlibc
case "$longsize" in
8) echo "(Your long is 64 bits, so you could use fseek.)" ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_fseeko.U

```

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

```

/*
* $Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram $
*
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
* You may redistribute only under the terms of the Artistic Licence,
* as specified in the README file that comes with the distribution.
* You may reuse parts of this distribution only within the terms of
* that same Artistic Licence; a copy of which may be found at the root
* of the source tree for dist 4.0.
*
* $Log: rename.C,v $
* Revision 3.0.1.1 1994/01/24 13:58:42 ram
* patch16: created
*
*/

```

Found in path(s):

```

* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```

5.30.0/dist/lib/C/fake/rename.C

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_log1p: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_log1p:

?S: This variable conditionally defines the HAS\_LOG1P symbol, which

?S: indicates to the C program that the logp1() routine is available

?S: to compute  $\log(1 + x)$  for values of  $x$  close to zero.

?S:.

?C:HAS\_LOG1P:

?C: This symbol, if defined, indicates that the log1p routine is

?C: available to do the logarithm of 1 plus argument function.

?C:.

?H:#\$d\_log1p HAS\_LOG1P /\*\*/

?H:.

?LINT:set d\_log1p

: see if log1p exists

set log1p d\_log1p

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_log1p.U

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_setitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setitimer:

?S: This variable conditionally defines the HAS\_SETITIMER symbol, which

?S: indicates to the C program that the setitimer() routine is available.

?S:.

?C:HAS\_SETITIMER:

?C: This symbol, if defined, indicates that the setitimer routine is

?C: available to set interval timers.

?C:.

?H:#\$d\_setitimer HAS\_SETITIMER /\*\*/

?H:.

?LINT:set d\_setitimer  
: see if setitimer exists  
set setitimer d\_setitimer  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_setitimer.U

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?RCS:

?MAKE:d\_fmin: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fmin:

?S: This variable conditionally defines the HAS\_FMIN symbol, which

?S: indicates to the C program that the fmin() routine is available.

?S:.

?C:HAS\_FMIN:

?C: This symbol, if defined, indicates that the fmin routine is

?C: available to do the minimum function.

?C:.

?H:#\$d\_fmin HAS\_FMIN /\*\*/

?H:.

?LINT:set d\_fmin

: see if fmin exists

set fmin d\_fmin

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fmin.U

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?RCS:

?MAKE:d\_fegetround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fegetround:

?S: This variable conditionally defines HAS\_FEGETROUND if fegetround() is

?S: available to get the floating point rounding mode.

?S:.

?C:HAS\_FEGETROUND:

?C: This symbol, if defined, indicates that the fegetround routine is

?C: available to return the macro corresponding to the current rounding

?C: mode.

?C:.  
?H:#\$d\_fegetround HAS\_FEGETROUND /\*\*/  
?H:.  
?LINT:set d\_fegetround  
: see if fegetround exists  
set fegetround d\_fegetround  
eval \$inlibc

Found in path(s):  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fegetround.U  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_llroundl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_llroundl:  
?S: This variable conditionally defines the HAS\_LLROUNDL symbol, which  
?S: indicates to the C program that the llroundl() routine is available  
?S: to return the long long value nearest to x away from zero.  
?S:.  
?C:HAS\_LLROUNDL:  
?C: This symbol, if defined, indicates that the llroundl routine is  
?C: available to return the nearest long long value away from zero of  
?C: the long double argument value.  
?C:.  
?H:#\$d\_llroundl HAS\_LLROUNDL /\*\*/  
?H:.  
?LINT:set d\_llroundl  
: see if llroundl exists  
set llroundl d\_llroundl  
eval \$inlibc

Found in path(s):  
\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llroundl.U  
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?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_finite: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_finite:  
?S: This variable conditionally defines the HAS\_FINITE symbol, which  
?S: indicates to the C program that the finite() routine is available.  
?S:.  
?C:HAS\_FINITE:  
?C: This symbol, if defined, indicates that the finite routine is  
?C: available to check whether a double is finite (non-infinity non-NaN).  
?C:.  
?H:#\$d\_finite HAS\_FINITE /\*\*/  
?H:.  
?LINT:set d\_finite  
: see if finite exists  
set finite d\_finite  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_finite.U

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?RCS: as specified in the README file that comes with the distribution.

?RCS:

?MAKE:i\_fenv: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_fenv:

?S: This variable conditionally defines the I\_FENV symbol, which

?S: indicates to the C program that <fenv.h> exists and should

?S: be included.

?S:.

?C:I\_FENV:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <fenv.h> to get the floating point environment definitions.

?C:.

?H:#\$i\_fenv I\_FENV /\*\*/  
?H:.

?LINT:set i\_fenv

: see if this is a fenv.h system

set fenv.h i\_fenv

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fenv.U

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?RCS:  
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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?X:  
?X: Useless unit dropped. Use randfunc instead.  
?X:  
?LINT:empty

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/randbits.U

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?RCS:  
?MAKE:d\_fdim: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fdim:  
?S: This variable conditionally defines the HAS\_FDIM symbol, which  
?S: indicates to the C program that the fdim() routine is available.  
?S:.  
?C:HAS\_FDIM:  
?C: This symbol, if defined, indicates that the fdim routine is  
?C: available to do the positive difference function.  
?C:.  
?H:#\$d\_fdim HAS\_FDIM /\*\*/

?H:.  
?LINT:set d\_fdim  
: see if fdim exists  
set fdim d\_fdim  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fdim.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_accessx: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_accessx:

?S: This variable conditionally defines the HAS\_ACCESSX symbol, which

?S: indicates to the C program that the accessx() routine is available.

?S:.

?C:HAS\_ACCESSX :

?C: This symbol, if defined, indicates that the accessx routine is

?C: available to do extended access checks.

?C:.

?H:#\$d\_accessx HAS\_ACCESSX /\*\*/

?H:.

?LINT:set d\_accessx

: see if accessx exists

set accessx d\_accessx

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/d\_accessx.U

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?RCS:

?MAKE:d\_setproctitle: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setproctitle:

?S: This variable conditionally defines the HAS\_SETPROCTITLE symbol,

?S: which indicates to the C program that the setproctitle() routine

?S: is available.

?S:.

?C:HAS\_SETPROCTITLE:

?C: This symbol, if defined, indicates that the setproctitle routine is

?C: available to set process title.

?C:.

?H:#\$d\_setproctitle HAS\_SETPROCTITLE /\*\*/

?H:.

?LINT:set d\_setproctitle

: see if setproctitle exists

set setproctitle d\_setproctitle

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_setproctitle.U

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?RCS:

?MAKE:d\_remquo: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_remquo:

?S: This variable conditionally defines the HAS\_REMQUO symbol, which

?S: indicates to the C program that the remquo() routine is available.

?S:.

?C:HAS\_REMQUO:

?C: This symbol, if defined, indicates that the remquo routine is

?C: available to return the remainder and part of quotient.

?C:.

?H:#\$d\_remquo HAS\_REMQUO /\*\*/

?H:.

?LINT:set d\_remquo

: see if remquo exists

set remquo d\_remquo

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_remquo.U

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?RCS:

?MAKE:d\_aintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_aintl:

?S: This variable conditionally defines the HAS\_AINTL symbol, which

?S: indicates to the C program that the aintl() routine is available.

?S: If copysignl is also present we can emulate modfl.

?S:.

?C:HAS\_AINTL:

?C: This symbol, if defined, indicates that the aintl routine is

?C: available. If copysignl is also present we can emulate modfl.



```
?C:.
?H:#$d_aintl HAS_AINTL /**/
?H:.
?LINT:set d_aintl
: see if aintl exists
set aintl d_aintl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_aintl.U
```

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```
?RCS: $Id$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ualarm: Inlibc
?MAKE: -pick add $@ %<
?S:d_ualarm:
?S: This variable conditionally defines the HAS_UALARM symbol, which
?S: indicates to the C program that the ualarm() routine is available.
?S:.
?C:HAS_UALARM:
?C: This symbol, if defined, indicates that the ualarm routine is
?C: available to do alarms with microsecond granularity.
?C:.
?H:#$d_ualarm HAS_UALARM /**/
?H:.
?LINT:set d_ualarm
: see if ualarm exists
set ualarm d_ualarm
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_ualarm.U
```

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```
?RCS: You may distribute under the terms of either the GNU General Public
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?RCS:
?MAKE:d_logb: Inlibc
?MAKE: -pick add $@ %<
?S:d_logb:
```

?S: This variable conditionally defines the HAS\_LOGB symbol, which

?S: indicates to the C program that the logb() routine is available

?S: to extract the exponent of x.

?S:.

?C:HAS\_LOGB:

?C: This symbol, if defined, indicates that the logb routine is

?C: available to do the logb function.

?C:.

?H:#\$d\_logb HAS\_LOGB /\*\*/

?H:.

?LINT:set d\_logb

: see if logb exists

set logb d\_logb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_logb.U

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?RCS:

?MAKE:d\_strftime: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_strftime:

?S: This variable conditionally defines the HAS\_STRFTIME symbol, which

?S: indicates to the C program that the strftime() routine is available.

?S:.

?C:HAS\_STRFTIME:

?C: This symbol, if defined, indicates that the strftime routine is

?C: available to do time formatting.

?C:.

?H:#\$d\_strftime HAS\_STRFTIME /\*\*/

?H:.

?LINT:set d\_strftime

: see if strftime exists

set strftime d\_strftime

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strftime.U

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?RCS:

?MAKE:d\_nexttoward: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nexttoward:

?S: This variable conditionally defines HAS\_NEXTTOWARD if nexttoward()

?S: is available to return the next machine representable long double from

?S: x in direction y.

?S:.

?C:HAS\_NEXTTOWARD:

?C: This symbol, if defined, indicates that the nexttoward routine is

?C: available to return the next machine representable long double from

?C: x in direction y.

?C:.

?H:#\$d\_nexttoward HAS\_NEXTTOWARD /\*\*/

?H:.

?LINT:set d\_nexttoward

: see if nexttoward exists

set nexttoward d\_nexttoward

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nexttoward.U

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?RCS:

?MAKE:d\_llround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llround:

?S: This variable conditionally defines the HAS\_LLROUND symbol, which

?S: indicates to the C program that the llround() routine is available

?S: to return the long long value nearest to x.

?S:.

?C:HAS\_LLROUND:

?C: This symbol, if defined, indicates that the llround routine is

?C: available to return the nearest long long value.

?C:.

?H:#\$d\_llround HAS\_LLROUND /\*\*/

?H:.

?LINT:set d\_llround

: see if llround exists

set llround d\_llround

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llround.U

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?RCS:

?MAKE:d\_clearenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_clearenv:

?S: This variable conditionally defines the HAS\_CLEARENV symbol, which

?S: indicates to the C program that the clearenv () routine is available.

?S:.

?C:HAS\_CLEARENV:

?C: This symbol, if defined, indicates that the clearenv () routine is

?C: available for use.

?C:.

?H:#\$d\_clearenv HAS\_CLEARENV /\*\*/

?H:.

?LINT:set d\_clearenv

: see if clearenv exists

set clearenv d\_clearenv

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_clearenv.U

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?RCS: \$Id\$

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getitimer:

?S: This variable conditionally defines the HAS\_GETITIMER symbol, which

?S: indicates to the C program that the getitimer() routine is available.

?S:.

?C:HAS\_GETTIMER:

?C: This symbol, if defined, indicates that the gettimer routine is

?C: available to return interval timers.

?C:.

?H:#\$d\_gettimer HAS\_GETTIMER /\*\*/

?H:.

?LINT:set d\_gettimer

: see if gettimer exists

set gettimer d\_gettimer

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_gettimer.U

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?RCS:

?MAKE:d\_scalbn: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_scalbn:

?S: This variable conditionally defines the HAS\_SCALBN symbol, which

?S: indicates to the C program that the scalbn() routine is available.

?S:.

?C:HAS\_SCALBN:

?C: This symbol, if defined, indicates that the scalbn routine is

?C: available to multiply floating-point number by integral power

?C: of radix.

?C:.

?H:#\$d\_scalbn HAS\_SCALBN /\*\*/

?H:.

?LINT:set d\_scalbn

: see if scalbn exists

set scalbn d\_scalbn

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_scalbn.U

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?RCS: \$Id: i\_fp\_class.U,v \$

?RCS:

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?RCS:

?MAKE:i\_fp\_class: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_fp\_class:

?S: This variable conditionally defines the I\_FP\_CLASS symbol, and indicates

?S: whether a C program should include <fp\_class.h>.

?S:.

?C:I\_FP\_CLASS:

?C: This symbol, if defined, indicates that <fp\_class.h> exists and

?C: should be included.

?C:.

?H:#\$i\_fp\_class I\_FP\_CLASS /\*\*/

?H:.

?LINT:set i\_fp\_class

: see if this is a fp\_class.h system

set fp\_class.h i\_fp\_class

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fp\_class.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_inetntop: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_inetntop:

?S: This variable conditionally defines the HAS\_INETNTOP symbol,

?S: which indicates to the C program that the inet\_ntop() function

?S: is available.

?S:.

?C:HAS\_INETNTOP:

?C: This symbol, if defined, indicates that the inet\_ntop() function

?C: is available to parse IPv4 and IPv6 strings.

?C:.

?H:#\$d\_inetntop HAS\_INETNTOP /\*\*/

?H:.

?LINT:set d\_inetntop

: see if inet\_ntop exists

set inet\_ntop d\_inetntop

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_inetntop.U

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

/\*

\* \$Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

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\* as specified in the README file that comes with the distribution.

\* You may reuse parts of this distribution only within the terms of

\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* \$Log: setsid.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:47 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/setsid.C

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

?RCS: \$Id: i\_ustat.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_ustat: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_ustat:

?S: This variable conditionally defines the I\_USTAT symbol, and indicates

?S: whether a C program should include <ustat.h>.

?S:.

?C:I\_USTAT:

?C: This symbol, if defined, indicates that <ustat.h> exists and

?C: should be included.

?C:.

?H:#\$i\_ustat I\_USTAT /\*\*/

?H:.

?LINT:set i\_ustat

: see if this is a ustat.h system

set ustat.h i\_ustat

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_ustat.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_socketmark: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_socketmark:

?S: This variable conditionally defines the HAS\_SOCKETMARK symbol, which

?S: indicates to the C program that the socketmark() routine is available.

?S:.

?C:HAS\_SOCKETMARK:

?C: This symbol, if defined, indicates that the socketmark routine is

?C: available to test whether a socket is at the out-of-band mark.

?C:.

?H:#\$d\_socketmark HAS\_SOCKETMARK /\*\*/

?H:.

?LINT:set d\_socketmark

: see if socketmark exists

set socketmark d\_socketmark

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_socketmark.U

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

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fsync: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fsync:



?S: This variable conditionally defines the HAS\_FSYNC symbol, which

?S: indicates to the C program that the fsync() routine is available.

?S:.

?C:HAS\_FSYNC:

?C: This symbol, if defined, indicates that the fsync routine is

?C: available to write a file's modified data and attributes to

?C: permanent storage.

?C:.

?H:#\$d\_fsync HAS\_FSYNC /\*\*/

?H:.

?LINT:set d\_fsync

: see if fsync exists

set fsync d\_fsync

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fsync.U

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

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?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_mkdtmp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mkdtmp:

?S: This variable conditionally defines the HAS\_MKDTEMP symbol, which

?S: indicates to the C program that the mkdtmp() routine is available

?S: to exclusively create a uniquely named temporary directory.

?S:.

?C:HAS\_MKDTEMP :

?C: This symbol, if defined, indicates that the mkdtmp routine is

?C: available to exclusively create a uniquely named temporary directory.

?C:.

?H:#\$d\_mkdtmp HAS\_MKDTEMP /\*\*/

?H:.

?LINT:set d\_mkdtmp

: see if mkdtmp exists

set mkdtmp d\_mkdtmp

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mkdtmp.U

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```
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?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_localeconv_1: Inlibc
?MAKE: -pick add $@ %<
?S:d_localeconv_1:
?S: This variable conditionally defines the HAS_LOCALECONV_L symbol, which
?S: indicates to the C program that the localeconv_1() routine is available.
?S:.
?C:HAS_LOCALECONV_L:
?C: This symbol, if defined, indicates that the localeconv_1 routine is
?C: available to query certain information about a locale.
?C:.
?H:#$d_localeconv_1 HAS_LOCALECONV_L /**/
?H:.
?LINT:set d_localeconv_1
: see if localeconv_1 exists
set localeconv_1 d_localeconv_1
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_localeconv_1.U
```

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```
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_atolf: Inlibc
?MAKE: -pick add $@ %<
?S:d_atolf:
?S: This variable conditionally defines the HAS_ATOLF symbol, which
?S: indicates to the C program that the atolf() routine is available.
?S:.
?C:HAS_ATOLF:
?C: This symbol, if defined, indicates that the atolf routine is
?C: available to convert strings into long doubles.
?C:.
```

?H:#\$d\_atolf HAS\_ATOLF /\*\*/

?H:.

?LINT:set d\_atolf

: see if atolf exists

set atolf d\_atolf

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/atolf.U

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?RCS:

?MAKE:d\_erf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_erf:

?S: This variable conditionally defines the HAS\_ERF symbol, which

?S: indicates to the C program that the erf() routine is available.

?S:.

?C:HAS\_ERF:

?C: This symbol, if defined, indicates that the erf routine is

?C: available to do the error function.

?C:.

?H:#\$d\_erf HAS\_ERF /\*\*/

?H:.

?LINT:set d\_erf

: see if erf exists

set erf d\_erf

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_erf.U

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?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_dup3: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_dup3:

?S: This variable conditionally defines HAS\_DUP3 if dup3() is

?S: available to duplicate file descriptors.

?S:.

?C:HAS\_DUP3:

?C: This symbol, if defined, indicates that the dup3 routine is

?C: available to duplicate file descriptors.

?C:.

?H:#\$d\_dup3 HAS\_DUP3 /\*\*/

?H:.

?LINT:set d\_dup3

: see if dup3 exists

set dup3 d\_dup3

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_dup3.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_sqrtl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_sqrtl:

?S: This variable conditionally defines the HAS\_SQRTL symbol, which

?S: indicates to the C program that the sqrtl() routine is available.

?S:.

?C:HAS\_SQRTL:

?C: This symbol, if defined, indicates that the sqrtl routine is

?C: available to do long double square roots.

?C:.

?H:#\$d\_sqrtl HAS\_SQRTL /\*\*/

?H:.

?LINT:set d\_sqrtl

: see if sqrtl exists

set sqrtl d\_sqrtl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sqrtl.U

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

?RCS: \$Id: i\_netdb.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Andy Dougherty  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_netdb: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_netdb:  
?S: This variable conditionally defines the I\_NETDB symbol, and indicates  
?S: whether a C program should include <netdb.h>.  
?S:.  
?C:I\_NETDB:  
?C: This symbol, if defined, indicates that <netdb.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_netdb I\_NETDB /\*\*/  
?H:.  
?LINT:set i\_netdb  
: see if this is a netdb.h system  
set netdb.h i\_netdb  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_netdb.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2003 Jarkko Hietaniemi  
?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_copysignl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_copysignl:  
?S: This variable conditionally defines the HAS\_COPYSIGNL symbol, which  
?S: indicates to the C program that the copysignl() routine is available.  
?S: If aintl is also present we can emulate modfl.  
?S:.  
?C:HAS\_COPYSIGNL:  
?C: This symbol, if defined, indicates that the copysignl routine is  
?C: available. If aintl is also present we can emulate modfl.  
?C:.  
?H:#\$d\_copysignl HAS\_COPYSIGNL /\*\*/

```
?H:
?LINT:set d_copysignl
: see if copysignl exists
set copysignl d_copysignl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_copysignl.U
```

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

```
?RCS: $Id: i_socks.U,v $
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_socks: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_socks:
?S: This variable conditionally defines the I_SOCKS symbol, and indicates
?S: whether a C program should include <socks.h>.
?S:.
?C:I_SOCKS:
?C: This symbol, if defined, indicates that <socks.h> exists and
?C: should be included.
?C:.
?H:#$i_socks I_SOCKS /**/
?H:
?LINT:set i_socks
: see if this is a socks.h system
set socks.h i_socks
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_socks.U
```

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

```
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?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_timegm: Inlibc
```

?MAKE: -pick add \$@ %<  
?S:d\_timegm:  
?S: This variable conditionally defines the HAS\_TIMEGM symbol, which  
?S: indicates to the C program that the timegm () routine is available.  
?S:.  
?C:HAS\_TIMEGM:  
?C: This symbol, if defined, indicates that the timegm routine is  
?C: available to do the opposite of gmtime ()  
?C:.  
?H:#\$d\_timegm HAS\_TIMEGM /\*\*/  
?H:.  
?LINT:set d\_timegm  
: see if timegm exists  
set timegm d\_timegm  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_timegm.U

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

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?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_strtold: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strtold:  
?S: This variable conditionally defines the HAS\_STRTOLD symbol, which  
?S: indicates to the C program that the strtold() routine is available.  
?S:.  
?C:HAS\_STRTOLD:  
?C: This symbol, if defined, indicates that the strtold routine is  
?C: available to convert strings to long doubles.  
?C:.  
?H:#\$d\_strtold HAS\_STRTOLD /\*\*/  
?H:.  
?LINT:set d\_strtold  
: see if strtold exists  
set strtold d\_strtold  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtold.U

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

```
?RCS: $Id$
?RCS:
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?RCS:
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?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_finitel: Inlibc
?MAKE: -pick add $@ %<
?S:d_finitel:
?S: This variable conditionally defines the HAS_FINITEL symbol, which
?S: indicates to the C program that the finitel() routine is available.
?S:.
?C:HAS_FINITEL:
?C: This symbol, if defined, indicates that the finitel routine is
?C: available to check whether a long double is finite
?C: (non-infinity non-NaN).
?C:.
?H:#$d_finitel HAS_FINITEL /**/
?H:.
?LINT:set d_finitel
: see if finitel exists
set finitel d_finitel
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_finitel.U
```

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

```
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_lgamma: Inlibc
?MAKE: -pick add $@ %<
?S:d_lgamma:
?S: This variable conditionally defines the HAS_LGAMMA symbol, which
?S: indicates to the C program that the lgamma() routine is available
?S: for the log gamma function. See also d_tgamma and d_lgamma_r.
?S:.
?C:HAS_LGAMMA:
?C: This symbol, if defined, indicates that the lgamma routine is
?C: available to do the log gamma function. See also HAS_TGAMMA and
?C: HAS_LGAMMA_R.
?C:.
?H:#$d_lgamma HAS_LGAMMA /**/
```



```
?H:
?LINT:set d_lgamma
: see if lgamma exists
set lgamma d_lgamma
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_lgamma.U
```

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

```
?RCS: $Id: i_sysstatvfs.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_sysstatvfs: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysstatvfs:
```

```
?S: This variable conditionally defines the I_SYSSTATVFS symbol,
```

```
?S: and indicates whether a C program should include <sys/statvfs.h>.
```

```
?S:.
```

```
?C:I_SYS_STATVFS:
```

```
?C: This symbol, if defined, indicates that <sys/statvfs.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_sysstatvfs I_SYS_STATVFS /**/
```

```
?H:.
```

```
?LINT:set i_sysstatvfs
```

```
: see if this is a sys/statvfs.h system
```

```
set sys/statvfs.h i_sysstatvfs
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysstatvfs.U
```

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```
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```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_tgamma: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_tgamma:
```

```
?S: This variable conditionally defines the HAS_TGAMMA symbol, which
```

```
?S: indicates to the C program that the tgamma() routine is available
```

?S: for the gamma function. See also d\_lgamma.

?S:.

?C:HAS\_TGAMMA:

?C: This symbol, if defined, indicates that the tgamma routine is

?C: available to do the gamma function. See also HAS\_LGAMMA.

?C:.

?H:#\$d\_tgamma HAS\_TGAMMA /\*\*/

?H:.

?LINT:set d\_tgamma

: see if tgamma exists

set tgamma d\_tgamma

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_tgamma.U

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?RCS:

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?RCS:

?MAKE:d\_strtoq: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtoq:

?S: This variable conditionally defines the HAS\_STRTOQ symbol, which

?S: indicates to the C program that the strtoq() routine is available.

?S:.

?C:HAS\_STRTOQ:

?C: This symbol, if defined, indicates that the strtoq routine is

?C: available to convert strings to long longs (quads).

?C:.

?H:#\$d\_strtoq HAS\_STRTOQ /\*\*/

?H:.

?LINT:set d\_strtoq

: see if strtoq exists

set strtoq d\_strtoq

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtoq.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fma:

?S: This variable conditionally defines the HAS\_FMA symbol, which

?S: indicates to the C program that the fma() routine is available.

?S:.

?C:HAS\_FMA:

?C: This symbol, if defined, indicates that the fma routine is

?C: available to do the multiply-add function.

?C:.

?H:#\$d\_fma HAS\_FMA /\*\*/

?H:.

?LINT:set d\_fma

: see if fma exists

set fma d\_fma

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fma.U

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?RCS:

?MAKE:d\_nearbyint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nearbyint:

?S: This variable conditionally defines HAS\_NEARBYINT if nearbyint()

?S: is available to return the integral value closest to (according to

?S: the current rounding mode) to x.

?S:.

?C:HAS\_NEARBYINT:

?C: This symbol, if defined, indicates that the nearbyint routine is

?C: available to return the integral value closest to (according to

?C: the current rounding mode) to x.

?C:.

?H:#\$d\_nearbyint HAS\_NEARBYINT /\*\*/

?H:.

?LINT:set d\_nearbyint

: see if nearbyint exists

set nearbyint d\_nearbyint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_nearbyint.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_isnanl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_isnanl:

?S: This variable conditionally defines the HAS\_ISNANL symbol, which

?S: indicates to the C program that the isnanl() routine is available.

?S:.

?C:HAS\_ISNANL:

?C: This symbol, if defined, indicates that the isnanl routine is

?C: available to check whether a long double is a NaN.

?C:.

?H:#\$d\_isnanl HAS\_ISNANL /\*\*/

?H:.

?LINT:set d\_isnanl

: see if isnanl exists

set isnanl d\_isnanl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_isnanl.U

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

?RCS: \$Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Nothing.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The purpose of this file is to supply an empty target for the private

?X: Makefile built by metaconfig to order the units.

?X:

?MAKE:Nothing: Head

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Nothing.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

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?RCS:

?MAKE:d\_hasmntopt: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_hasmntopt:

?S: This variable conditionally defines the HAS\_HASMNTOPT symbol, which

?S: indicates to the C program that the hasmntopt() routine is available

?S: to query the mount options of file systems.

?S:.

?C:HAS\_HASMNTOPT:

?C: This symbol, if defined, indicates that the hasmntopt routine is

?C: available to query the mount options of file systems.

?C:.

?H:#\$d\_hasmntopt HAS\_HASMNTOPT /\*\*/

?H:.

?LINT:set d\_hasmntopt

: see if hasmntopt exists

set hasmntopt d\_hasmntopt

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_hasmntopt.U

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?RCS:

?MAKE:d\_fmax: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fmax:

?S: This variable conditionally defines the HAS\_FMAX symbol, which

?S: indicates to the C program that the fmax() routine is available.

?S:.

?C:HAS\_FMAX:

?C: This symbol, if defined, indicates that the fmax routine is

?C: available to do the maximum function.

?C:.

?H:#\$d\_fmax HAS\_FMAX /\*\*/

?H:.

?LINT:set d\_fmax

: see if fmax exists

set fmax d\_fmax

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fmax.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2019 Karl Williamson

?RCS:

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?RCS:

?MAKE:d\_towlower: Inlibc

?MAKE: -pick add @\$ %<

?S:d\_towlower:

?S: This variable conditionally defines the HAS\_TOWLOWER symbol, which

?S: indicates to the C program that the towlower() routine is available.

?S:.

?C:HAS\_TOWLOWER:

?C: This symbol, if defined, indicates that the towlower () routine is

?C: available to do case conversion.

?C:.

?H:#\$d\_towlower HAS\_TOWLOWER /\*\*/

?H:.

?LINT:set d\_towlower

: see if towlower exists

set towlower d\_towlower

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_towlower.U

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

?RCS: \$Id: i\_sysstatfs.U,v \$

?RCS:

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?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_sysstatfs: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_sysstatfs:  
?S: This variable conditionally defines the I\_SYSSTATFS symbol,  
?S: and indicates whether a C program should include <sys/statfs.h>.  
?S:.  
?C:I\_SYS\_STATFS:  
?C: This symbol, if defined, indicates that <sys/statfs.h> exists.  
?C:.  
?H:#\$i\_sysstatfs I\_SYS\_STATFS /\*\*/  
?H:.  
?LINT:set i\_sysstatfs  
: see if this is a sys/statfs.h system  
set sys/statfs.h i\_sysstatfs  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysstatfs.U

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?RCS:  
?MAKE:i\_stdint: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_stdint:  
?S: This variable conditionally defines the I\_STDINT symbol, which  
?S: indicates to the C program that <stdint.h> exists and should  
?S: be included.  
?S:.  
?C:I\_STDINT:  
?C: This symbol, if defined, indicates that <stdint.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_stdint I\_STDINT /\*\*/  
?H:.  
?LINT:set i\_stdint  
: see if stdint is available  
set stdint.h i\_stdint  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/i\_stdint.U

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

?RCS: \$Id: i\_crypt.U,v \$

?RCS:

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?RCS:

?MAKE:i\_crypt: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_crypt:

?S: This variable conditionally defines the I\_CRYPT symbol, and indicates

?S: whether a C program should include <crypt.h>.

?S:.

?C:I\_CRYPT:

?C: This symbol, if defined, indicates that <crypt.h> exists and

?C: should be included.

?C:.

?H:#\$i\_crypt I\_CRYPT /\*\*/

?H:.

?LINT:set i\_crypt

: see if this is a crypt.h system

set crypt.h i\_crypt

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/i\_crypt.U

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?RCS:

?MAKE:d\_acosh: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_acosh:

?S: This variable conditionally defines the HAS\_ACOSH symbol, which

?S: indicates to the C program that the acosh() routine is available.

?S:.

?C:HAS\_ACOSH:

?C: This symbol, if defined, indicates that the acosh routine is

?C: available to do the inverse hyperbolic cosine function.

?C:.

?H:#\$d\_acosh HAS\_ACOSH /\*\*/

?H:.

?LINT:set d\_acosh



```
: see if acossh exists
set acossh d_acosh
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_acosh.U
```

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?RCS:

?MAKE:d\_erfc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_erfc:

?S: This variable conditionally defines the HAS\_ERFC symbol, which

?S: indicates to the C program that the erfc() routine is available.

?S:.

?C:HAS\_ERFC:

?C: This symbol, if defined, indicates that the erfc routine is

?C: available to do the complementary error function.

?C:.

?H:#\$d\_erfc HAS\_ERFC /\*\*/

?H:.

?LINT:set d\_erfc

: see if erfc exists

set erfc d\_erfc

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_erfc.U
```

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

/\*

\* \$Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram \$

\*

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\*

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\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* \$Log: scandir.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:45 ram

\* patch16: created

\*  
\*/

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/scandir.C

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_trunc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_trunc:

?S: This variable conditionally defines the HAS\_TRUNC symbol, which

?S: indicates to the C program that the trunc() routine is available

?S: to round doubles towards zero.

?S:.

?C:HAS\_TRUNC:

?C: This symbol, if defined, indicates that the trunc routine is

?C: available to round doubles towards zero.

?C:.

?H:#\$d\_trunc HAS\_TRUNC /\*\*/

?H:.

?LINT:set d\_trunc

: see if trunc exists

set trunc d\_trunc

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_trunc.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_unsetenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_unsetenv:

?S: This variable conditionally defines the HAS\_UNSETENV symbol, which

?S: indicates to the C program that the unsetenv () routine is available.

?S:.

?C:HAS\_UNSETENV:

?C: This symbol, if defined, indicates that the unsetenv () routine is

?C: available for use.

?C:.

?H:#\$d\_unsetenv HAS\_UNSETENV /\*\*/

?H:.

?LINT:set d\_unsetenv

: see if unsetenv exists

set unsetenv d\_unsetenv

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_unsetenv.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS:

?MAKE:d\_unordered: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_unordered:

?S: This variable conditionally defines the HAS\_UNORDERED symbol, which

?S: indicates to the C program that the unordered() routine is available.

?S:.

?C:HAS\_UNORDERED:

?C: This symbol, if defined, indicates that the unordered routine is

?C: available to check whether two doubles are unordered

?C: (effectively: whether either of them is NaN)

?C:.

?H:#\$d\_unordered HAS\_UNORDERED /\*\*/

?H:.

?LINT:set d\_unordered

: see if unordered exists

set unordered d\_unordered

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_unordered.U

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?RCS:

?MAKE:d\_hypot: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_hypot:  
?S: This variable conditionally defines HAS\_HYPOT if hypot is available  
?S: for numerically stable hypotenuse function.  
?S:.  
?C:HAS\_HYPOT:  
?C: This symbol, if defined, indicates that the hypot routine is  
?C: available to do the hypotenuse function.  
?C:.  
?H:#\$d\_hypot HAS\_HYPOT /\*\*/  
?H:.  
?LINT:set d\_hypot  
: see if hypot exists  
set hypot d\_hypot  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_hypot.U

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?RCS:

?MAKE:d\_asinh: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_asinh:

?S: This variable conditionally defines the HAS\_ASINH symbol, which

?S: indicates to the C program that the asinh() routine is available.

?S:.

?C:HAS\_ASINH:

?C: This symbol, if defined, indicates that the asinh routine is

?C: available to do the inverse hyperbolic sine function.

?C:.

?H:#\$d\_asinh HAS\_ASINH /\*\*/  
?H:.

?LINT:set d\_asinh

: see if asinh exists

set asinh d\_asinh

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_asinh.U

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?RCS:

?MAKE:d\_rint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_rint:

?S: This variable conditionally defines the HAS\_RINT symbol, which

?S: indicates to the C program that the rint() routine is available.

?S:.

?C:HAS\_RINT:

?C: This symbol, if defined, indicates that the rint routine is

?C: available to return the nearest integral value to x as double

?C: using the current rounding mode.

?C:.

?H:#\$d\_rint HAS\_RINT /\*\*/

?H:.

?LINT:set d\_rint

: see if rint exists

set rint d\_rint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_rint.U

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?RCS:

?MAKE:d\_lroundl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lroundl:

?S: This variable conditionally defines the HAS\_LROUNDL symbol, which

?S: indicates to the C program that the lroundl() routine is available

?S: to return the integral value nearest to x away from zero.

?S:.

?C:HAS\_LROUNDL:

?C: This symbol, if defined, indicates that the lroundl routine is

?C: available to return the nearest integral value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d\_lroundl HAS\_LROUNDL /\*\*/

?H:.

?LINT:set d\_lroundl

: see if lroundl exists

set lroundl d\_lroundl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lroundl.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_isinfl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_isinfl:

?S: This variable conditionally defines the HAS\_ISINFL symbol, which

?S: indicates to the C program that the isinfl() routine is available.

?S:.

?C:HAS\_ISINFL:

?C: This symbol, if defined, indicates that the isinfl routine is

?C: available to check whether a long double is an infinity.

?C:.

?H:#\$d\_isinfl HAS\_ISINFL /\*\*/

?H:.

?LINT:set d\_isinfl

: see if isinfl exists

set isinfl d\_isinfl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isinfl.U

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?RCS:

?MAKE:d\_log2: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_log2:

?S: This variable conditionally defines the HAS\_LOG2 symbol, which

?S: indicates to the C program that the log2() routine is available

?S: to compute log base two.

?S:.

?C:HAS\_LOG2:

?C: This symbol, if defined, indicates that the log2 routine is

?C: available to do the log2 function.

?C:.

?H:#\$d\_log2 HAS\_LOG2 /\*\*/

```
?H:
?LINT:set d_log2
: see if log2 exists
set log2 d_log2
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_log2.U
```

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

```
?RCS: $Id: i_libutil.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_libutil: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_libutil:
```

```
?S: This variable conditionally defines the I_LIBUTIL symbol, and indicates
```

```
?S: whether a C program should include <libutil.h>.
```

```
?S:.
```

```
?C:I_LIBUTIL:
```

```
?C: This symbol, if defined, indicates that <libutil.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_libutil I_LIBUTIL /**/
```

```
?H:
```

```
?LINT:set i_libutil
```

```
: see if this is a libutil.h system
```

```
set libutil.h i_libutil
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_libutil.U
```

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

```
?RCS: $Id: i_sysutsname.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_sysutsname: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
?S:i_sysutsname:
?S: This variable conditionally defines the I_SYSUTSNAME symbol,
?S: and indicates whether a C program should include <sys/utsname.h>.
?S:.
?C:I_SYSUTSNAME:
?C: This symbol, if defined, indicates that <sys/utsname.h> exists and
?C: should be included.
?C:.
?H:#$i_sysutsname I_SYSUTSNAME /**/
?H:.
?LINT:set i_sysutsname
: see if this is a sys/utsname.h system
set sys/utsname.h i_sysutsname
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysutsname.U
```

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

```
?RCS: $Id: i_poll.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_poll: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_poll:
?S: This variable conditionally defines the I_POLL symbol, and indicates
?S: whether a C program should include <poll.h>.
?S:.
?C:I_POLL:
?C: This symbol, if defined, indicates that <poll.h> exists and
?C: should be included. (see also HAS_POLL)
?C:.
?H:#$i_poll I_POLL /**/
?H:.
?LINT:set i_poll
: see if this is a poll.h system
set poll.h i_poll
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_poll.U
```



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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_truncl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_truncl:

?S: This variable conditionally defines the HAS\_TRUNCL symbol, which

?S: indicates to the C program that the truncl() routine is available

?S: to round long doubles towards zero. If copysignl is also present,

?S: we can emulate modfl.

?S:.

?C:HAS\_TRUNCL :

?C: This symbol, if defined, indicates that the truncl routine is

?C: available. If copysignl is also present we can emulate modfl.

?C:.

?H:#\$d\_truncl HAS\_TRUNCL /\*\*/

?H:.

?LINT:set d\_truncl

: see if truncl exists

set truncl d\_truncl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_truncl.U

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

?RCS: \$Id: i\_mntent.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_mntent: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_mntent:

?S: This variable conditionally defines the I\_MNTENT symbol, and indicates

?S: whether a C program should include <mntent.h>.

?S:.

?C:I\_MNTENT:

?C: This symbol, if defined, indicates that <mntent.h> exists and

?C: should be included.

?C:.

?H:#\$i\_mntent I\_MNTENT /\*\*/

?H:.

```
?LINT:set i_mntent
: see if this is a mntent.h system
set mntent.h i_mntent
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_mntent.U
```

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

```
?RCS: $Id: i_sysvfs.U,v $
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysvfs: Inhdr Hasfield
?MAKE:-pick add $@ %<
?S:i_sysvfs:
?S: This variable conditionally defines the I_SYSVFS symbol,
?S: and indicates whether a C program should include <sys/vfs.h>.
?S:.
?C:I_SYS_VFS:
?C: This symbol, if defined, indicates that <sys/vfs.h> exists and
?C: should be included.
?C:.
?H:#$i_sysvfs I_SYS_VFS /**/
?H:.
?LINT:set i_sysvfs
: see if this is a sys/vfs.h system
set sys/vfs.h i_sysvfs
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysvfs.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_fstats : Inlibc
?MAKE:-pick add $@ %<
```

?S:d\_fstatfs:  
?S: This variable conditionally defines the HAS\_FSTATFS symbol, which  
?S: indicates to the C program that the fstatfs() routine is available.  
?S:.  
?C:HAS\_FSTATFS:  
?C: This symbol, if defined, indicates that the fstatfs routine is  
?C: available to stat filesystems by file descriptors.  
?C:.  
?H:#\$d\_fstatfs HAS\_FSTATFS /\*\*/  
?H:.  
?LINT:set d\_fstatfs  
: see if fstatfs exists  
set fstatfs d\_fstatfs  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fstatfs.U

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

?RCS: \$Id: i\_fp.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_fp: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_fp:  
?S: This variable conditionally defines the I\_FP symbol, and indicates  
?S: whether a C program should include <fp.h>.  
?S:.  
?C:I\_FP:  
?C: This symbol, if defined, indicates that <fp.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_fp I\_FP /\*\*/  
?H:.  
?LINT:set i\_fp  
: see if this is a fp.h system  
set fp.h i\_fp  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fp.U

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2009 H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_getaddrinfo: Inlibc
?MAKE:-pick add $@ %<
?S:d_getaddrinfo:
?S: This variable conditionally defines the HAS_GETADDRINFO symbol,
?S: which indicates to the C program that the getaddrinfo() function
?S: is available.
?S:.
?C:HAS_GETADDRINFO:
?C: This symbol, if defined, indicates that the getaddrinfo() function
?C: is available for use.
?C:.
?H:#$d_getaddrinfo HAS_GETADDRINFO /**/
?H:.
?LINT:set d_getaddrinfo
: see if getaddrinfo exists
set getaddrinfo d_getaddrinfo
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getaddrinfo.U
```

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

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: baserev.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:baserev: Null
?MAKE:-pick wipe $@ %<
```

?S:baserev:

?S: The base revision level of this package, from the .package file.

?S:.

: set the base revision

baserev=<BASEREV>

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/baserev.U

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

?RCS: \$Id: i\_ieeefp.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_ieeefp: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_ieeefp:

?S: This variable conditionally defines the I\_IEEEFP symbol, and indicates

?S: whether a C program should include <ieeefp.h>.

?S:.

?C:I\_IEEEFP:

?C: This symbol, if defined, indicates that <ieeefp.h> exists and

?C: should be included.

?C:.

?H:#\$i\_ieeefp I\_IEEEFP /\*\*/

?H:.

?LINT:set i\_ieeefp

: see if this is a ieeefp.h system

case "\$i\_ieeefp" in

" ) set ieeefp.h i\_ieeefp

eval \$inhdr

::

esac

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_ieeefp.U

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

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_atanh: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_atanh:

?S: This variable conditionally defines the HAS\_ATANH symbol, which

?S: indicates to the C program that the atanh() routine is available.

?S:.

?C:HAS\_ATANH:

?C: This symbol, if defined, indicates that the atanh routine is

?C: available to do the inverse hyperbolic tangent function.

?C:.

?H:#\$d\_atanh HAS\_ATANH /\*\*/

?H:.

?LINT:set d\_atanh

: see if atanh exists

set atanh d\_atanh

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_atanh.U

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

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?RCS:

?MAKE:d\_llrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llrint:

?S: This variable conditionally defines the HAS\_LLRLINT symbol, which

?S: indicates to the C program that the llrint() routine is available

?S: to return the long long value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LLRLINT:

?C: This symbol, if defined, indicates that the llrint routine is

?C: available to return the long long value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_llrint HAS\_LLRLINT /\*\*/

?H:.

?LINT:set d\_llrint

: see if llrint exists

set llrint d\_llrint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llrint.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_strtold\_1: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strtold\_1:  
?S: This variable conditionally defines the HAS\_STRTOLD\_L symbol, which  
?S: indicates to the C program that the strtold\_1() routine is available.  
?S:.  
?C:HAS\_STRTOLD\_L:  
?C: This symbol, if defined, indicates that the strtold\_1 routine is  
?C: available to convert strings to long doubles.  
?C:.  
?H:#\$d\_strtold\_1 HAS\_STRTOLD\_L /\*\*/  
?H:.  
?LINT:set d\_strtold\_1  
: see if strtold\_1 exists  
set strtold\_1 d\_strtold\_1  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_strtold\_1.U

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

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_exp2: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_exp2:  
?S: This variable conditionally defines the HAS\_EXP2 symbol, which  
?S: indicates to the C program that the exp2() routine is available.  
?S:.  
?C:HAS\_EXP2:  
?C: This symbol, if defined, indicates that the exp2 routine is  
?C: available to do the 2\*\*x function.  
?C:.  
?H:#\$d\_exp2 HAS\_EXP2 /\*\*/  
?H:.  
?LINT:set d\_exp2  
: see if exp2 exists  
set exp2 d\_exp2  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_exp2.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getcwd: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getcwd:

?S: This variable conditionally defines the HAS\_GETCWD symbol, which

?S: indicates to the C program that the getcwd() routine is available

?S: to get the current working directory.

?S:.

?C:HAS\_GETCWD :

?C: This symbol, if defined, indicates that the getcwd routine is

?C: available to get the current working directory.

?C:.

?H:#\$d\_getcwd HAS\_GETCWD /\*\*/

?H:.

?LINT:set d\_getcwd

: see if getcwd exists

set getcwd d\_getcwd

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getcwd.U

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

/\*

\* \$Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

\* You may redistribute only under the terms of the Artistic Licence,

\* as specified in the README file that comes with the distribution.

\* You may reuse parts of this distribution only within the terms of

\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* Original Author: Larry Wall <lwall@netlabs.com>



```
*
* $Log: dup2.C,v $
* Revision 3.0.1.1 1994/01/24 13:58:37 ram
* patch16: created
*
*/
```

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/dup2.C
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_ftello: Inlibc longsize

?MAKE: -pick add \$@ %<

?S:d\_ftello:

?S: This variable conditionally defines the HAS\_FTELLO symbol, which

?S: indicates to the C program that the ftello() routine is available.

?S:.

?C:HAS\_FTELLO:

?C: This symbol, if defined, indicates that the ftello routine is

?C: available to ftell beyond 32 bits (useful for ILP32 hosts).

?C:.

?H:#\$d\_ftello HAS\_FTELLO /\*\*/

?H:.

?LINT:set d\_ftello

: see if ftello exists

set ftello d\_ftello

eval \$inlibc

case "\$longsize" in

8) echo "(Your long is 64 bits, so you could use ftell.)" ;;

esac

Found in path(s):

```
* /opt/cola/permits/1854928199_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_ftello.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_frexp! Inlibc

?MAKE: -pick add \$@ %<

?S:d\_frexp!:

?S: This variable conditionally defines the HAS\_FREXP! symbol, which

?S: indicates to the C program that the frexp() routine is available.

?S:.

?C:HAS\_FREXP!:

?C: This symbol, if defined, indicates that the frexp routine is

?C: available to break a long double floating-point number into

?C: a normalized fraction and an integral power of 2.

?C:.

?H:#\$d\_frexp! HAS\_FREXP! /\*\*/

?H:.

?LINT:set d\_frexp!

: see if frexp! exists

set frexp! d\_frexp!

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_frexp!.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2014 Jarkko Hietaniemi & H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_copysign: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_copysign:

?S: This variable conditionally defines the HAS\_COPYSIGN symbol, which

?S: indicates to the C program that the copysign() routine is available.

?S:.

?C:HAS\_COPYSIGN:

?C: This symbol, if defined, indicates that the copysign routine is

?C: available to do the copysign function.

?C:.

?H:#\$d\_copysign HAS\_COPYSIGN /\*\*/

?H:.

?LINT:set d\_copysign

: see if copysign exists

set copysign d\_copysign

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_copysign.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_socks5\_init: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_socks5\_init:

?S: This variable conditionally defines the HAS\_SOCKS5\_INIT symbol, which

?S: indicates to the C program that the socks5\_init() routine is available.

?S:.

?C:HAS\_SOCKS5\_INIT:

?C: This symbol, if defined, indicates that the socks5\_init routine is

?C: available to initialize SOCKS 5.

?C:.

?H:#\$d\_socks5\_init HAS\_SOCKS5\_INIT /\*\*/

?H:.

?LINT:set d\_socks5\_init

: see if socks5\_init exists

set socks5\_init d\_socks5\_init

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_socks5\_init.U

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

?RCS: \$Id: i\_shadow.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_shadow: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_shadow:

?S: This variable conditionally defines the I\_SHADOW symbol, and indicates

?S: whether a C program should include <shadow.h>.

?S:  
?C:I\_SHADOW:  
?C: This symbol, if defined, indicates that <shadow.h> exists and  
?C: should be included.

?C:.  
?H:#\$i\_shadow I\_SHADOW /\*\*/  
?H:.  
?LINT:set i\_shadow  
: see if this is a shadow.h system  
set shadow.h i\_shadow  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_shadow.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
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?RCS:  
?MAKE:d\_eaccess: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_eaccess:  
?S: This variable conditionally defines the HAS\_EACCESS symbol, which  
?S: indicates to the C program that the eaccess() routine is available.

?S:.  
?C:HAS\_EACCESS :  
?C: This symbol, if defined, indicates that the eaccess routine is  
?C: available to do extended access checks.

?C:.  
?H:#\$d\_eaccess HAS\_EACCESS /\*\*/  
?H:.  
?LINT:set d\_eaccess  
: see if eaccess exists  
set eaccess d\_eaccess  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/d\_eaccess.U

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?RCS:  
?MAKE:d\_lrint: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_lrint:  
?S: This variable conditionally defines the HAS\_LRINT symbol, which  
?S: indicates to the C program that the lrint() routine is available  
?S: to return the integral value closest to a double (according  
?S: to the current rounding mode).  
?S:.  
?C:HAS\_LRINT:  
?C: This symbol, if defined, indicates that the lrint routine is  
?C: available to return the integral value closest to a double  
?C: (according to the current rounding mode).  
?C:.  
?H:#\$d\_lrint HAS\_LRINT /\*\*/  
?H:.  
?LINT:set d\_lrint  
: see if lrint exists  
set lrint d\_lrint  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lrint.U

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?RCS:  
?MAKE:d\_fpgetround: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fpgetround:  
?S: This variable conditionally defines HAS\_FPGETROUND if fpgetround()  
?S: is available to get the floating point rounding mode.  
?S:.  
?C:HAS\_FPGETROUND:  
?C: This symbol, if defined, indicates that the fpgetround routine is  
?C: available to get the floating point rounding mode.  
?C:.  
?H:#\$d\_fpgetround HAS\_FPGETROUND /\*\*/  
?H:.  
?LINT:set d\_fpgetround  
: see if fpgetround exists  
set fpgetround d\_fpgetround  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_fpgetround.U

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?RCS:

?MAKE:d\_ilogb: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ilogb:

?S: This variable conditionally defines the HAS\_ILOGB symbol, which

?S: indicates to the C program that the ilogb() routine is available

?S: for extracting the exponent of double x as a signed integer.

?S:.

?C:HAS\_ILOGB:

?C: This symbol, if defined, indicates that the ilogb routine is

?C: available to get integer exponent of a floating-point value.

?C:.

?H:#\$d\_ilogb HAS\_ILOGB /\*\*/

?H:.

?LINT:set d\_ilogb

: see if ilogb exists

set ilogb d\_ilogb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1854928199\_1701225705.9160655/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

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# 1.1068 python3.8 3.8.10-0ubuntu1~20.04.9

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became

Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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## 1.1074 glibc 2.31-0ubuntu9.14

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```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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\* along with this program; if not, write to the Free Software  
\* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.  
\*  
\* M. Welsh, 6 July 1996  
\*  
\*  
\*/

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and valid for as

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# 1.1078 snappy-java 1.1.10.5

## 1.1078.1 Available under license :

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

Manifest-Version: 1.0

Bnd-LastModified: 1695799258578

Bundle-ActivationPolicy: lazy

Bundle-Activator: org.xerial.snappy.SnappyBundleActivator

Bundle-Description: snappy-java: A fast compression/decompression library

Bundle-DocURL: <http://www.xerial.org/>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: snappy-java: A fast compression/decompression library

Bundle-NativeCode: org/xerial/snappy/native/Windows/x86\_64/snappyjava.dll;osname=win32;processor=x86-64,org/xerial/snappy/native/Windows/x86\_64/snappyjava.dll;osname=win32;processor=x64,org/xerial/snappy/native/Windows/x86\_64/snappyjava.dll;osname=win32;processor=amd64,org/xerial/snappy/native/Windows/x86\_64/snappyjava.dll;osname=win32;processor=x86,org/xerial/snappy/native/Mac/x86/libsnappyjava.jnilib;osname=macosx;processor=x86,org/xerial/snappy/native/Mac/x86\_64/libsnappyjava.dylib;osname=macosx;processor=x86-64,org/xerial/snappy/native/Mac/aarch64/libsnappyjava.dylib;osname=macosx;processor=aarch64,org/xerial/snappy/native/Linux/x86\_64/libsnappyjava.so;osname=linux;processor=x86-64,org/xerial/snappy/native/Linux/x86\_64/libsnappyjava.so;osname=linux;processor=x64,org/xerial/snappy/native/Linux/x86\_64/libsnappyjava.so;osname=linux;processor=amd64,org/xerial/snappy/native/Linux/x86/libsnappyjava.so;osname=linux;processor=x86,org/xerial/snappy/native/Linux/aarch64/libsnappyjava.so;osname=linux;processor=aarch64,org/xerial/snappy/native/Linux/riscv64/libsnappyjava.so;osname=linux;processor=riscv64,org/xerial/snappy/native/Linux/arm/libsnappyjava.so;osname=linux;processor=arm,org/xerial/snappy/native/Linux/armv7/libsnappyjava.so;osname=linux;processor=arm\_le,org/xerial/snappy/native/Linux/ppc64le/libsnappyjava.so;osname=linux;processor=ppc64le,org/xerial/snappy/native/Linux/s390x/libsnappyjava.so;osname=linux;processor=s390x,org/xerial/snappy/native/AIX/ppc/libsnappyjava.a;osname=aix;processor=ppc,org

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Bundle-SymbolicName: org.xerial.snappy.snappy-java  
Bundle-Vendor: xerial.org  
Bundle-Version: 1.1.10.5  
Created-By: 11.0.20 (Azul Systems, Inc.)  
Export-Package: org.xerial.snappy;uses:="org.osgi.framework,org.xerial.snappy.buffer,org.xerial.snappy.pool";version="1.1.10",org.xerial.snappy.buffer;version="1.1.10",org.xerial.snappy.pool;version="1.1.10"  
Implementation-Title: snappy-java  
Implementation-URL: <https://github.com/xerial/snappy-java>  
Implementation-Vendor: xerial.org  
Implementation-Vendor-Id: org.xerial.snappy  
Implementation-Version: 1.1.10.5  
Import-Package: org.osgi.framework;version="[1.5,2)"  
Private-Package: org.xerial.snappy.native.AIX.ppc,org.xerial.snappy.native.AIX.ppc64,org.xerial.snappy.native.FreeBSD.x86\_64,org.xerial.snappy.native.Linux.aarch64,org.xerial.snappy.native.Linux.android-aarch64,org.xerial.snappy.native.Linux.android-arm,org.xerial.snappy.native.Linux.arm,org.xerial.snappy.native.Linux.armv6,org.xerial.snappy.native.Linux.armv7,org.xerial.snappy.native.Linux.ppc,org.xerial.snappy.native.Linux.ppc64,org.xerial.snappy.native.Linux.ppc64le,org.xerial.snappy.native.Linux.riscv64,org.xerial.snappy.native.Linux.s390x,org.xerial.snappy.native.Linux.x86,org.xerial.snappy.native.Linux.x86\_64,org.xerial.snappy.native.Mac.aarch64,org.xerial.snappy.native.Mac.x86\_64,org.xerial.snappy.native.Mac.x86\_64,org.xerial.snappy.native,org.xerial.snappy.native.SunOS.sparc,org.xerial.snappy.native.SunOS.x86,org.xerial.snappy.native.SunOS.x86\_64,org.xerial.snappy.native.Windows.aarch64,org.xerial.snappy.native.Windows.x86,org.xerial.snappy.native.Windows.x86\_64  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"  
Specification-Title: snappy-java  
Specification-Vendor: xerial.org  
Specification-Version: 1.1.10.5  
Tool: Bnd-5.1.2.202007211702

Found in path(s):

\* /opt/cola/permits/1866412376\_1702418090.4402528/0/snappy-java-1-1-10-5-1-jar/META-INF/MANIFEST.MF

## 1.1079 prometheus-client-model 0.4.0



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\*uganda.txt\* For Vim version 8.1. Last change: 2018 May 17

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  - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation

then this license, or a later version, also applies to your changes.

The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding

modified Vim, or as long

as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading

the files to a server and e-mailing the URL.

If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is

<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all

further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

---

Kibaale Children's Centre \*kcc\* \*Kibaale\* \*charity\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine.

They are sold  
below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship  
the amounts are

very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre  
p.o.  
box 1658  
Masaka, Uganda, East Africa

Sending money: \*iccf-donations\*

Check the ICCF web site for the latest information! See [|iccf|](#) for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in

Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy

10238-168 Street

Surrey, B.C. V4N 1Z4

Canada

Phone: 604-581-5353

If

you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774

IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is

the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:

# 1.1083 apache-http-server 2.4.41-4ubuntu3.15

## 1.1083.1 Available under license :

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
```

```

Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
/>
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link href="/images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a
href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplant">
<p><span>Available
Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;en&nbsp;en</a></p>
</div>

<p class="centered">Apache License<br />
Version 2.0, January 2004<br />
<a href="http://www.apache.org/licenses/">http://www.apache.org/licenses/</a><br /><br />

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direction or management of such
entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.</p>

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</div>
</div>
<div class="bottomlang">
<p><span>Available Languages: </span><a href="/en/license.html" title="English">en</a></p>
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class="section"><h2><a id="comments_section" name="comments_section">Comments</a></h2><div
class="warning"><strong>Notice:</strong><br
/>This is not a Q&A section. Comments placed here should be pointed towards suggestions on improving the
documentation or server, and may be removed again by our moderators if they are either implemented or considered
invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC
channel, #httpd, on Freenode, or sent to our <a href="http://httpd.apache.org/lists.html">mailing lists</a></div>
<script type="text/javascript"><!--<![CDATA[</script>
var comments_shortcode = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
(function(w, d) {
  if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
    d.write('<div id="comments_thread"></div>');
    var s = d.createElement('script');
    s.type = 'text/javascript';
    s.async = true;
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +
comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
  }
  else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
  }
})(window, document);
--><![</div><div id="footer">
<p class="apache">Copyright 2019 The Apache Software Foundation.<br />Licensed under the <a
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a></p>
<p class="menu"><a href="/mod">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--<![CDATA[</script>
if (typeof(prettyPrint) !== 'undefined') {
  prettyPrint();
}
--><![</body></html>
Apache HTTP Server
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```

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The Apache Software Foundation (<http://www.apache.org/>).

Portions of this software were developed at the National Center  
for Supercomputing Applications (NCSA) at the University of  
Illinois at Urbana-Champaign.

This software contains code derived from the RSA Data Security Inc. MD5 Message-Digest Algorithm, including various modifications by Spyglass Inc., Carnegie Mellon University, and Bell Communications Research, Inc (Bellcore).

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*/

```

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For the server\util\_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*
*****/

```

\*  
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\*  
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```
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=====
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

```
*/  
<?xml version="1.0" encoding="UTF-8" ?>  
<!-- GENERATED FROM XML: DO NOT EDIT -->
```

```
<metafile reference="license.xml">  
<basename>license</basename>  
<path></path>  
<relpath>.</relpath>
```

```
<variants>  
<variant>en</variant>
```

</variants>

</metafile>

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## 1.1084.1 Available under license :

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Upstream-Name: libssh

Upstream-Contact: libssh@libssh.org

Andreas Schneider <asn@cryptomilk.org>

Source: <https://git.libssh.org/projects/libssh.git>

Files: \*

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Files: include/libssh/auth.h  
include/libssh/bignum.h  
include/libssh/bind.h  
include/libssh/buffer.h  
include/libssh/channels.h  
include/libssh/crc32.h  
include/libssh/crypto.h  
include/libssh/dh.h  
include/libssh/ecdh.h  
include/libssh/ed25519.h  
include/libssh/gssapi.h  
include/libssh/kex.h

include/libssh/keys.h  
include/libssh/legacy.h  
include/libssh/libcrypto.h  
include/libssh/libcrypt.h  
include/libssh/libssh.h  
include/libssh/libsshpp.hpp  
include/libssh/messages.h  
include/libssh/misc.h  
include/libssh/packet.h

include/libssh/pcap.h  
include/libssh/pki.h  
include/libssh/pki\_priv.h  
include/libssh/poll.h  
include/libssh/priv.h  
include/libssh/scp.h  
include/libssh/server.h  
include/libssh/session.h  
include/libssh/sftp.h  
include/libssh/socket.h  
include/libssh/string.h  
include/libssh/threads.h  
include/libssh/wrapper.h

src/auth1.c  
src/base64.c  
src/bignum.c  
src/bind.c  
src/buffer.c  
src/client.c  
src/connect.c  
src/crc32.c  
src/ecdh.c  
src/error.c  
src/gcrypt\_missing.c  
src/init.c  
src/kex.c  
src/kex1.c  
src/legacy.c  
src/libcrypto.c  
src/libcrypt.c  
src/log.c  
src/messages.c  
src/packet.c  
src/packet1.c  
src/packet\_cb.c  
src/packet\_crypt.c  
src/pcap.c  
src/pki\_container\_openssh.c

src/pki\_ed25519.c  
src/server.c  
src/session.c  
src/sftpserver.c  
src/socket.c  
src/string.c  
src/threads.c  
src/threads/pthread.c  
src/wrapper.c  
tests/benchmarks/bench\_raw.c  
tests/benchmarks/bench\_scp.c  
tests/benchmarks/bench\_sftp.c  
tests/benchmarks/benchmarks.c  
tests/benchmarks/benchmarks.h  
tests/benchmarks/latency.c  
tests/client/torture\_algorithms.c  
tests/client/torture\_auth.c  
tests/client/torture\_connect.c  
tests/client/torture\_knownhosts.c  
tests/client/torture\_session.c  
tests/test\_pcap.c  
tests/test\_socket.c

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Files: examples/exec.c  
examples/senddata.c  
examples/CMakeLists.txt  
include/libssh/ssh1.h  
include/libssh/ssh2.h  
tests/authentication.c  
tests/benchmarks/bench1.sh  
tests/benchmarks/bench2.sh  
tests/chmodtest.c  
tests/client/torture\_proxycommand.c  
tests/client/torture\_sftp\_dir.c  
tests/client/torture\_sftp\_read.c  
tests/cmdline.c  
tests/connection.c  
tests/generate.py  
tests/sftp\_stress/main.c  
tests/test\_exec.c  
tests/test\_ssh\_bind\_accept\_fd.c  
tests/test\_tunnel.c  
tests/tests.h  
tests/unittests/torture\_buffer.c  
tests/unittests/torture\_callbacks.c  
tests/unittests/torture\_channel.c



tests/unittests/torture\_init.c  
tests/unittests/torture\_isipaddr.c  
tests/unittests/torture\_keyfiles.c  
tests/unittests/torture\_list.c  
tests/unittests/torture\_misc.c  
tests/unittests/torture\_options.c  
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examples/libssh\_scp.c  
examples/libsshpp.cpp  
examples/libsshpp\_noexcept.cpp  
examples/proxy.c  
examples/sample.c  
examples/samplesftp.c  
examples/samplesshd-cb.c  
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src/external/ed25519.c  
src/external/fe25519.c  
src/external/ge25519.c  
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tests/pkd/pkd\_daemon.h  
tests/pkd/pkd\_hello.c

tests/pkd/pkd\_keyutil.c  
tests/pkd/pkd\_keyutil.h  
tests/pkd/pkd\_util.c  
tests/pkd/pkd\_util.h

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src/channels1.c  
src/gzip.c  
src/known\_hosts.c  
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src/options.c  
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src/pki\_crypto.c  
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include/libssh/options.h  
src/agent.c  
src/callbacks.c  
src/config.c  
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tests/client/torture\_request\_env.c  
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# 1.1085 gopkg.in-yaml 2.4.0

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# 1.1089 tomcat 9.0.84

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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- web-app\_3\_0.xsd
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- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
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Schemas for Java EE Deployment Descriptors:

- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
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Apache Standard Taglib Specification API

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee\_5.xsd
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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd

- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd

may be obtained from:

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# 1.1092 tomcat-jni 9.0.84

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# 1.1093 jline 3.22.0

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```
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/Tmux.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/AbstractPty.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Editor.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Candidate.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/builtins/ConfigurationPath.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/completer/ArgumentCompleter.java
*
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/InfoCmp.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/Status.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/completer/StringsCompleter.java
```

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```
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/CompletionMatcherImpl.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
```

jar/org/jline/builtins/ConsoleOptionGetter.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/builtins/Completers.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/Nano.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/impl/DefaultHighlighter.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/widget/TailTipWidgets.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/impl/history/DefaultHistory.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/PrintAboveWriter.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/TTop.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/Styles.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/console/impl/ConsoleEngineImpl.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/utils/AttributedStyle.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/LineReader.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/console/ConsoleEngine.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Parser.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/TerminalBuilder.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/console/SystemRegistry.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/AbstractTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/console/ArgDesc.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/utils/AttributedCharSequence.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Highlighter.java  
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\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jansi/win/WindowsAnsiWriter.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/AnsiWriter.java  
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\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/SyntaxError.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/EOFError.java  
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jar/org/jline/terminal/impl/exec/ExecTerminalProvider.java

```
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/spi/TerminalProvider.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/Diag.java
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#
class = org.jline.terminal.impl.jansi.JansiTerminalProvider
```

Found in path(s):

```
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/services/org/jline/terminal/provider/jansi
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```
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jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/jansi/JansiTerminalProvider.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utis/Display.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/jna/JnaTerminalProvider.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/console/CommandMethods.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
```

jar/org/jline/console/ScriptEngine.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/CompletionMatcher.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jansi/JansiNativePty.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/console/CmdDesc.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/console/impl/AbstractCommandRegistry.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/widget/Widgets.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/console/CmdLine.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/Log.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/widget/AutosuggestionWidgets.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/console/impl/JlineCommandRegistry.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/console/CommandRegistry.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/impl/ReaderUtils.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/JnaNativePty.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/EndOfFileException.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/solaris/CLibrary.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/linux/CLibrary.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/win/JnaWinSysTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/Signals.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jansi/win/JansiWinSysTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/widget/AutopairWidgets.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/terminal/impl/jna/linux/LinuxNativePty.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/LineReaderBuilder.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/reader/impl/DefaultParser.java  
\*

```
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/jna/osx/CLibrary.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utis/ColorPalette.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/completer/SystemCompleter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/console/CommandInput.java
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* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-terminal-jansi/pom.xml
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-remote-ssh/pom.xml
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-remote-telnet/pom.xml
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-reader/pom.xml
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-terminal-jna/pom.xml
*
```

```
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-terminal/pom.xml
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-builtins/pom.xml
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-
INF/maven/org.jline/jline-style/pom.xml
```

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\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyleResolver.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingPumpReader.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/impl/BufferImpl.java

\*

/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/InterpolationHelper.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/impl/SimpleMaskingCallback.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/ssh/Ssh.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/WriterOutputStream.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyledWriter.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/Telnet.java

\*

/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/MemoryStyleSource.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingPumpInputStream.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Buffer.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Buffer.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyleColor.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/ssh/ShellFactoryImpl.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/osx/OsXNativePty.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/ssh/ShellCommand.java

\*

/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyleBundle.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-

```
jar/org/jline/terminal/impl/jna/win/JnaWinConsoleWriter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/style/StyleBundleInvocationHandler.java
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jar/org/jline/console/impl/DefaultPrinter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/console/Printer.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/console/impl/SystemHighlighter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/Source.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/builtins/Commands.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/console/impl/SystemRegistryImpl.java
*
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/Less.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/console/impl/Builtins.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/LineReaderImpl.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/builtins/SyntaxHighlighter.java
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jar/org/jline/builtins/telnet/ConnectionManager.java

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jar/org/jline/builtins/telnet/TelnetIO.java

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jar/org/jline/builtins/telnet/ConnectionData.java

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jar/org/jline/builtins/telnet/PortListener.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/builtins/telnet/ConnectionEvent.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/builtins/telnet/Connection.java

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jar/org/jline/builtins/ScreenTerminal.java

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jar/org/jline/builtins/telnet/ConnectionFactory.java  
\*  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-  
jar/org/jline/builtins/telnet/ConnectionListener.java  
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#
class = org.jline.terminal.impl.exec.ExecTerminalProvider
```

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```
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```

black

maroon  
green  
olive  
navy  
purple  
teal  
silver  
grey  
red  
lime  
yellow  
blue  
fuchsia  
aqua  
white  
grey0  
navyblue  
darkblue  
blue3  
blue3a  
blue1  
darkgreen  
deepskyblue4  
deepskyblue4a  
deepskyblue4b  
dodgerblue3  
dodgerblue2  
green4  
springgreen4  
turquoise4  
deepskyblue3  
deepskyblue3a  
dodgerblue1  
green3  
springgreen3  
darkcyan  
lightseagreen  
deepskyblue2  
deepskyblue1  
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springgreen3a  
springgreen2  
cyan3  
darkturquoise  
turquoise2  
green1  
springgreen2a  
springgreen1

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cyan2  
cyan1  
darkred  
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purple4a  
purple3  
blueviolet  
orange4  
grey37  
mediumpurple4  
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slateblue3a  
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darkseagreen4  
paleturquoise4  
steelblue  
steelblue3  
cornflowerblue  
chartreuse3  
darkseagreen4a  
cadetblue  
cadetbluea  
skyblue3  
steelblue1  
chartreuse3a  
palegreen3  
seagreen3  
aquamarine3  
mediumturquoise  
steelblue1a  
chartreuse2  
seagreen2  
seagreen1  
seagreen1a  
aquamarine1  
darkslategray2  
darkreda  
deeppink4a  
darkmagenta  
darkmagentaa  
darkviolet  
purplea  
orange4a  
lightpink4  
plum4

mediumpurple3  
mediumpurple3a  
slateblue1  
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wheat4  
grey53  
lightslategrey  
mediumpurple  
lightslateblue  
yellow4a  
darkolivegreen3  
darkseagreen  
lightskyblue3  
lightskyblue3a  
skyblue2  
chartreuse2a  
darkolivegreen3a  
palegreen3a  
darkseagreen3  
darkslategray3  
skyblue1  
chartreuse1  
lightgreen  
lightgreena  
palegreen1  
aquamarine1a  
darkslategray1  
red3  
deeppink4b  
mediumvioletred  
magenta3  
darkvioleta  
purpleb  
darkorange3  
indianred  
hotpink3  
mediumorchid3  
mediumorchid  
mediumpurple2  
darkgoldenrod  
lightsalmon3  
rosybrown  
grey63  
mediumpurple2a  
mediumpurple1  
gold3  
darkkhaki  
navajowhite3

grey69  
lightsteelblue3  
lightsteelblue  
yellow3  
darkolivegreen3b  
darkseagreen3a  
darkseagreen2  
lightcyan3  
lightskyblue1  
greenyellow  
darkolivegreen2  
palegreen1a  
darkseagreen2a  
darkseagreen1  
paleturquoise1  
red3a  
deeppink3  
deeppink3a  
magenta3a  
magenta3b  
magenta2  
darkorange3a  
indianreda  
hotpink3a  
hotpink2  
orchid  
mediumorchid1  
orange3  
lightsalmon3a  
lightpink3  
pink3  
plum3  
violet  
gold3a  
lightgoldenrod3  
tan  
mistyrose3  
thistle3  
plum2  
yellow3a  
khaki3  
lightgoldenrod2  
lightyellow3  
grey84  
lightsteelblue1  
yellow2  
darkolivegreen1  
darkolivegreen1a



darkseagreen1a  
honeydew2  
lightcyan1  
red1  
deeppink2  
deeppink1  
deeppink1a  
magenta2a  
magenta1  
orangered1  
indianred1  
indianred1a  
hotpink  
hotpinka  
mediumorchid1a  
darkorange  
salmon1  
lightcoral  
palevioletred1  
orchid2  
orchid1  
orange1  
sandybrown  
lightsalmon1  
lightpink1  
pink1  
plum1  
gold1  
lightgoldenrod2a  
lightgoldenrod2b  
navajowhite1  
mistyrose1  
thistle1  
yellow1  
lightgoldenrod1  
khaki1  
wheat1  
cornsilk1  
grey100  
grey3  
grey7  
grey11  
grey15  
grey19  
grey23  
grey27  
grey30  
grey35

grey39  
grey42  
grey46  
grey50  
grey54  
grey58  
grey62  
grey66  
grey70  
grey74  
grey78  
grey82  
grey85  
grey89  
grey93

Found

in path(s):

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/colors.txt

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\*/

Found in path(s):

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/ExecHelper.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/Attributes.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/ShutdownHooks.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/UserInterruptException.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/DiffHelper.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/win/WindowsAnsiWriter.java

\*

/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/AttributedString.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/AggregateCompleter.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/OSUtils.java

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Binding.java

```
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/MouseEvent.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/MouseSupport.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Widget.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/spi/Pty.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/package-info.java
*
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/package-info.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/NativeSignalHandler.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/utils/ClosedException.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Reference.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/package-
info.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/completer/package-info.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/completer/EnumCompleter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/ExecPty.java
*
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/completer/NullCompleter.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Macro.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/Cursor.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/AbstractPosixTerminal.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Expander.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/DefaultExpander.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/utils/InputStreamReader.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/Levenshtein.java
*
/opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/keymap/KeyMap.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/WCWidth.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/UndoTree.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/terminal/impl/CursorSupport.java
* /opt/cola/permits/1881382372_1704719110.3418307/0/jline-3-22-0-sources-8-
jar/org/jline/reader/impl/history/package-info.java
```

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```

```
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auto_right_margin, am, am
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restore\_cursor, rc, rc  
row\_address, vpa, cv  
save\_cursor, sc, sc  
scroll\_forward, ind, sf  
scroll\_reverse, ri, sr  
select\_char\_set, scs, Zj  
set\_attributes, sgr, sa  
set\_background, setb, Sb  
set\_bottom\_margin, smgb, Zk  
set\_bottom\_margin\_parm, smgbp, Zl  
set\_clock, sclk, SC  
set\_color\_pair, scp, sp  
set\_foreground, setf, Sf  
set\_left\_margin, smgl, ML  
set\_left\_margin\_parm, smglp, Zm  
set\_right\_margin,  
smgr, MR  
set\_right\_margin\_parm, smgrp, Zn  
set\_tab, hts, st  
set\_top\_margin, smgt, Zo  
set\_top\_margin\_parm, smgtp, Zp  
set\_window, wind, wi  
start\_bit\_image, sbim, Zq  
start\_char\_set\_def, scsd, Zr  
stop\_bit\_image, rbim, Zs  
stop\_char\_set\_def, rcsd, Zt  
subscript\_characters, subcs, Zu  
superscript\_characters, supcs, Zv  
tab, ht, ta  
these\_cause\_cr, docr, Zw  
to\_status\_line, tsl, ts  
tone, tone, TO  
underline\_char, uc, uc  
up\_half\_line, hu, hu  
user0, u0, u0  
user1, u1, u1  
user2, u2, u2  
user3, u3, u3  
user4, u4, u4  
user5, u5, u5

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user7, u7, u7  
user8, u8, u8  
user9, u9, u9  
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xoff\_character, xoffc, XF  
xon\_character, xonc, XN  
zero\_motion, zerom, Zx  
alt\_scancode\_esc, scesa, S8  
bit\_image\_carriage\_return, bicr, Yv  
bit\_image\_newline, binel, Zz  
bit\_image\_repeat, birep, Xy  
char\_set\_names, csnm, Zy  
code\_set\_init, csin, ci  
color\_names, colorm, Yw  
define\_bit\_image\_region, defbi, Yx  
device\_type, devt, dv  
display\_pc\_char, dispc, S1  
end\_bit\_image\_region, endbi, Yy  
enter\_pc\_charset\_mode,  
smpch, S2  
enter\_scancode\_mode, smsc, S4  
exit\_pc\_charset\_mode, rmpch, S3  
exit\_scancode\_mode, rmsc, S5  
get\_mouse, getm, Gm  
key\_mouse, kmous, Km  
mouse\_info, minfo, Mi  
pc\_term\_options, pctrm, S6  
pkey\_plab, pfxl, xl  
req\_mouse\_pos, reqmp, RQ  
scancode\_escape, scesc, S7  
set0\_des\_seq, s0ds, s0  
set1\_des\_seq, s1ds, s1  
set2\_des\_seq, s2ds, s2  
set3\_des\_seq, s3ds, s3  
set\_a\_background, setab, AB  
set\_a\_foreground, setaf, AF  
set\_color\_band, setcolor, Yz  
set\_lr\_margin, smglr, ML  
set\_page\_length, slines, YZ  
set\_tb\_margin, smgtb, MT  
enter\_horizontal\_hl\_mode, ehhl, Xh  
enter\_left\_hl\_mode, elhl, Xl  
enter\_low\_hl\_mode, elohl, Xo  
enter\_right\_hl\_mode, erhl, Xr  
enter\_top\_hl\_mode, ethl, Xt  
enter\_vertical\_hl\_mode, evhl, Xv  
set\_a\_attributes, sgr1, sA

set\_pglen\_inch, slength, sL

Found in path(s):

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/capabilities.txt  
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#  
class = org.jline.terminal.impl.jna.JnaTerminalProvider
```

Found in path(s):

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/META-INF/services/org/jline/terminal/provider/jna  
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Found in path(s):

\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/impl/KillRing.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyleExpression.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingInputStream.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/NonBlocking.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/utils/Curses.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/keymap/BindingReader.java

\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/NonBlockingReaderImpl.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/ExternalTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyleSource.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/StyleResolver.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/win/Kernel32.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/PosixSysTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/PosixPtyTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/AttributedStringBuilder.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/Completer.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/MaskingCallback.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/NonBlockingReader.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/CompletingParsedLine.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/InputRC.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/Colors.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/NonBlockingInputStreamImpl.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/Size.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/StyleFactory.java  
\*  
/opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/FileNameCompleter.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/Utils/Timeout.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/ParsedLine.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/Terminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/LineDisciplineTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/reader/History.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/DumbTerminal.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/style/Styler.java  
\* /opt/cola/permits/1881382372\_1704719110.3418307/0/jline-3-22-0-sources-8-jar/org/jline/builtins/NfaMatcher.java

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## 1.1106 sprig 3.2.3

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# 1.1107 color 1.13.0

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# 1.1109 sqlx 1.3.5

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## 1.1110 logr 1.3.0

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Package: logr

Title: Creates Log Files

Version: 1.3.0

Authors@R: c(

```
  person(given = "David",  
        family = "Bosak",  
        role = c("aut", "cre"),  
        email = "dbosak01@gmail.com"),  
  person("Rikard", "Isaksson", role = "ctb"))
```

Description: Contains functions to help create log files. The package aims to overcome the difficulty of the base R sink() command. The log\_print() function will print to both the console and the file log, without interfering in other write operations.

License: CC0

Encoding: UTF-8

URL: <https://logr.r-sassy.org>

BugReports: <https://github.com/dbosak01/logr/issues>

Depends: R (>= 3.4.0)

Suggests:

knitr,  
rmarkdown,  
testthat,  
tidylog,  
dplyr,  
covr

Imports: withr,

utils,  
this.path

VignetteBuilder: knitr

Roxygen: list(markdown = TRUE)

RoxygenNote: 7.1.2

Found in path(s):

\* /opt/cola/permits/1892506801\_1706095861.09647/0/logr-1-3-0-4-zip/logr-1.3.0/DESCRIPTION

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/\*

Source: <https://github.com/algolia/docsearch/>

License: MIT

\*/

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\* Bootstrap Table of Contents v0.4.1 (<http://afeld.github.io/bootstrap-toc/>)

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\* /opt/cola/permits/1892506801\_1706095861.09647/0/logr-1-3-0-4-zip/logr-1.3.0/docs/bootstrap-toc.js

\* /opt/cola/permits/1892506801\_1706095861.09647/0/logr-1-3-0-4-zip/logr-1.3.0/docs/bootstrap-toc.css

# 1.1111 blang-semver 4.0.0

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## 1.1112 masterminds-semver 3.2.1

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## 1.1113 kubernetes-klog 2.100.1

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# 1.1116 hashicorp-uuid 1.0.2

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```

package spec

```
// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}
# This source code was written by the Go contributors.
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```

```
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```

```
package spec
```

```
import "testing"
```

```
func TestIntegrationLicense(t *testing.T) {
    license := License{Name: "the name", URL: "the url"}
    const licenseJSON = `{"name":"the name","url":"the url"}`
    const licenseYAML = "name: the name\nurl: the url\n"
```

```
    assertSerializeJSON(t, license, licenseJSON)
    assertParsesJSON(t, licenseJSON, license)
}
```

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# 1.1118 utils 0.0.0-20230209194617-a36077c30491

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# 1.1119 logr 1.2.4

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Package: logr

Title: Creates Log Files

Version: 1.2.4

Authors@R:

```
person(given = "David",  
       family = "Bosak",  
       role = c("aut", "cre"),  
       email = "dbosak01@gmail.com")
```

Description: Contains functions to help create log files. The package aims to overcome the difficulty of the base R sink() command. The log\_print() function will print to both the console and the file log, without interfering in other write operations.

License: CC0

Encoding: UTF-8

URL: <https://logr.r-sassy.org>

BugReports: <https://github.com/dbosak01/logr/issues>

Depends: R (>= 3.4.0)

Suggests: knitr,

rmarkdown,

testthat,

tidylog,

dplyr,

utils

Imports: withr

VignetteBuilder: knitr

Roxygen: list(markdown = TRUE)

RoxygenNote: 7.1.1

Found in path(s):

```
* /opt/cola/permits/1893063483_1706126891.2118979/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/DESCRIPTION
```

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\* Bootstrap Table of Contents v0.4.1 (<http://afeld.github.io/bootstrap-toc/>)

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Source: <https://github.com/algolia/docsearch/>

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\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-stubs-internal.cc

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-sinksources.cc

\*

```
/opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-test.cc
* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-test.h
* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-stubs-
public.h
* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-stubs-
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```

C bindings for leveldb. May be useful as a stable ABI that can be used by programs that keep leveldb in a shared library, or for a JNI api.

Does not support:

- . getters for the option types
- . custom comparators that implement key shortening
- . capturing post-write-snapshot
- . custom iter, db, env, cache implementations using just the C bindings

Some conventions:

(1) We expose just opaque struct pointers and functions to clients. This allows us to change internal representations without having to recompile clients.

(2) For simplicity, there is no equivalent to the Slice type. Instead, the caller has to pass the pointer and length as separate arguments.

(3) Errors are represented by a null-terminated c string. NULL means no error. All operations that can raise an error are passed a "char\*\* errptr" as the last argument. One of the following must be true on entry:

- \*errptr == NULL
- \*errptr points to a malloc()ed null-terminated error message (On Windows, \*errptr must have been malloc()-ed by this library.)

On success, a leveldb routine leaves \*errptr unchanged.  
On failure, leveldb frees the old value of \*errptr and set \*errptr to a malloc()ed error message.

(4) Booleans have the type unsigned char (0 == false; rest == true)

(5) All of the pointer arguments must be non-NULL.

```
*/
```



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\*  
\* Plain C interface (a wrapper around the C++ implementation).  
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\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy-c.cc

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/snappy/snappy\_unittest.cc

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

Metadata-Version: 1.1

Name: leveldb

Version: 0.15

Summary: Python bindings for leveldb database library

Home-page: <http://code.google.com/p/py-leveldb/>

Author: Russell Power

Author-email: [russell.power@gmail.com](mailto:russell.power@gmail.com)

License: UNKNOWN

Description: UNKNOWN

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Environment :: Other Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: POSIX  
Classifier: Programming Language :: C++  
Classifier: Programming Language :: Python  
Classifier: Programming Language :: Python :: 2.4  
Classifier: Programming Language :: Python :: 2.5  
Classifier: Programming Language :: Python :: 2.6  
Classifier: Programming Language :: Python :: 2.7  
Classifier: Programming Language :: Python :: 3.0  
Classifier: Programming Language :: Python :: 3.1  
Classifier: Programming Language :: Python :: 3.2  
Classifier:  
Programming Language :: Python :: 3.3  
Classifier: Topic :: Database  
Classifier: Topic :: Software Development :: Libraries

Found in path(s):

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb.egg-info/PKG-INFO

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/PKG-INFO

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Found in path(s):

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/table/filter\_block\_test.cc

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/util/bloom\_test.cc

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/util/filter\_policy.cc

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/port/thread\_annotations.h

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\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/table/filter\_block.cc

\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/table/filter\_block.h

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\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/table/block\_builder.h  
\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/table/table.cc  
\* /opt/cola/permits/1893711539\_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/port/port.h  
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* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-
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* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-
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* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/db/db_iter.h
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* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/db/db_bench.cc
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/opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/port/port_posix.h
* /opt/cola/permits/1893711539_1706194650.4774282/0/leveldb-0-15-tar-gz/leveldb-0.15/leveldb/db/log_writer.h

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