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1.323 go-ldap-ldap v3.1.7
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1.324 x-sys master
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1.325 go-ping master
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1.326 jaeger-client-go v2.22.1
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1.327 zipkin-go-opentracing v0.3.4
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1.328 redis-go 6.15.1
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1.329 go-grpc-middleware v1.0.0
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1.330 gorilla-mux v1.7.2
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1.331 h2c master
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1.332 go-ldap-client v0.0.3
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1.333 mongo-go-driver 0.2.0
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1.334 go-diameter v4.0.0

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1.336 go-errors-errors v1.0.2

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1.337 meld 1.0.2

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1.338 m4 1.4.18-1

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1.339 mime-pull 1.9.6

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1.340 sudo 1.8.21p2-3ubuntu1.4

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1.342 commons-lang3 2.6

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1.344 bcel 2.7.2

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1.347 jakarta-annotation-api 1.3.4

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1.348 spring-beans 3.2.17.RELEASE

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1.349 commons-codec 1.11

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1.350 jul-to-slf4j 1.7.30

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1.351 audience-annotations 0.5.0

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1.352 javassist 3.22.0-CR2

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1.353 inf 0.9.1

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1.358 grpc-go 1.30.0
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1.363 jakarta-validation-api 2.0.2
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1.372 jakarta-ws-rs-api 2.1.5
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1.373 grpc-go 1.26.0

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1.374 zap 1.16.0

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1.375 jersey-entity-filtering 2.28

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1.376 jetty-continuation 9.4.16.v20190411

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1.379 txw2 2.3.0

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1.380 jakarta-inject 2.5.0

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1.382 hk2-locator 2.6.1

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1.386 resourcelocator 1.0.3

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1.388 libalgorithm-diff-perl 1.19.03-1

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1.397 jinja2 2.10-1.ph3

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1.405 zstd 1.3.3+dfsg-2ubuntu1.2

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1.416 libpkit 0.23.9-2ubuntu0.1

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1.417 go-units 0.4.0

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1.418 open-ldap 2.4.45+dfsg-1ubuntu1.10

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1.419 libtasn 4.13-2

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1.429 netty-transport-native-unix-common 4.1.63.Final

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1.430 netty-transport-native-epoll 4.1.63.Final

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1.447 jersey-hk2 2.34

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1.448 jersey-container-servlet-core 2.34

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1.469 jinja2 2.10

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1.475 libalgorithm-merge-perl 0.08-3

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1.494 packaging 21.0

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1.495 urllib3 1.26.7

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1.500 prometheus-procfs 0.0.3

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1.503 jcmturner-rpc 1.1.0

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1.504 jcmturner-dnsutils 1.0.1

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1.505 go-resiliency 1.2.0

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1.507 jcmturner-gofork 1.0.0

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1.509 go.uber.org/atomi 1.6.0

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1.510 go-uber-org-multierr 1.5.0

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1.515 opencontainers-go-digest 1.0.0

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1.516 modern-go-reflect2 1.0.1

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1.517 go-homedir 1.1.0

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1.522 go-wordwrap 1.0.0

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1.622 fiorix-go-diameter 3.0.2+incompatible

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1.624 grpc-ecosystem-go-grpc-middleware 1.0.1-0.20190118093823-f849b5445de4

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1.625 openzipkin-contrib-zipkin-go-opentracing 0.4.5

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1.626 go-bgp 0.0.0-20210302053313-5960e8ebd1e3

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1.627 go-ldap-ldap 3.3.0

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1.628 go.etcd.io-bbolt 1.3.3

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1.629 trylock 0.0.0-20191027065348-ff7e133a5c54

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1.630 eapache-channels 1.1.0

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1.632 monochromegane-go-gitignore 0.0.0-20200626010858-205db1a8cc00

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1.633 moby-spdystream 0.2.0

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1.634 treeprint 0.0.0-20181112141820-a009c3971eca

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1.639 go-uber-org-multierr 1.4.0

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1.640 golang-snappy 0.0.2

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1.645 ishidawataru-sctp 0.0.0-20191218070446-00ab2ac2db07

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1.666 go-ping-ping 0.0.0-20210506233800-ff8be3320020

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1.670 go-errors-errors 1.1.1

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1.684 json-iterator-go 1.1.12

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1.685 modern-go-reflect2 1.0.2

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1.773 gopsutil 3.21.11+incompatible

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1.1097 lz4-java 1.8.0
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1.1105 utils 0.0.0-20211116205334-6203023598ed
1.1105.1 Available under license
1.1106 wheel 0.37.1
1.1106.1 Available under license

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
==========

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
==========

This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

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

If you want to understand how the JPEG code works, we suggest reading one or

more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

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

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

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

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

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to

be reliable, portable, industrial-strength code. We do not claim to have
achieved that goal in every aspect of the software, but we strive for it.

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 must acknowledge somewhere in your documentation that
  you've used the IJG code.

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ansi2knr.c is included in this distribution by permission of
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sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA.
ansi2knr.c is NOT covered by the above copyright and conditions, but instead
by the usual distribution terms of the Free Software Foundation; principally,
that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

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.

We are required to state that
  "The Graphics Interchange Format(c) is the Copyright property of
  CompuServe Incorporated. GIF(sm) is a Service Mark property of

CompuServe Incorporated."

REFERENCES
==========

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

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

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

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

The
JPEG standard itself is not available electronically; you must order a
paper copy through ISO or ITU. (Unless you feel a need to own a certified
official copy, we recommend buying the Pennebaker and Mitchell book instead;
it's much cheaper and includes a great deal of useful explanatory material.)
In the USA, copies of the standard may be ordered from ANSI Sales at (212)
642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI
doesn't take credit card orders, but Global does.) It's not cheap: as of
1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7%

shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still
Images, Part 2: Compliance testing" and has document
numbers ISO/IEC IS 10918-2, ITU-T T.83.

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

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

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

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't

have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

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

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

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers
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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
PBMPLUS 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 PBMPLUS/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
================

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
=====

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 apache-log4j 1.2.17

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* /miglayout-3-5-5-sources-jar/net/miginfocom/layout/LayoutUtil.java
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* /miglayout-3-5-5-sources-jar/net/miginfocom/swt/MigLayout.java
*
 /miglayout-3-5-5-sources-jar/net/miginfocom/layout/BoundSize.java
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* /miglayout-3-5-5-sources-jar/net/miginfocom/layout/Grid.java
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* /miglayout-3-5-5-sources-jar/net/miginfocom/swing/SwingContainerWrapper.java
* /miglayout-3-5-5-sources-jar/net/miginfocom/swing/MigLayout.java
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* /miglayout-3-5-5-sources-jar/net/miginfocom/layout/IDEUtil.java
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* @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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*         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.miginfocom.layout.LayoutUtil#NOT_SET} for gap sizes that are <code>null</code>. Returns <code>null</code> if there was no gap specified. A new and free to use array.
*/

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1.8 commons-collections 3.2.2

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1.9 taglibs-standard-spec 1.2.5

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1.13 jboss-logging 3.3.0.Final

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1.20 jersey-server 2.25.1

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Ty Coon, President of Vice

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1.26 animal-sniffer-annotation 1.14

1.26.1 Available under license :

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1" />
<link rel="shortcut icon" href="https://opensource.org/files/osi_favicon.png" type="image/png" />
<meta name="HandheldFriendly" content="true" />
<link rel="shortlink" href="/node/66" />
<meta name="Generator" content="Drupal 7 (http://drupal.org)" />
<link rel="canonical" href="/licenses/MIT" />
<meta name="MobileOptimized" content="width" />
 <title>The MIT License | Open Source Initiative</title>
 <link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_xE-rWrJf-fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
<link type="text/css" rel="stylesheet"

```
href="https://opensource.org/files/css/css_4p37TiWeuzRfdymI_lPgCuu6wEwSDhUquxUkHLI7QnU.css"
media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_MnXiytJtb186Ydycnpwpw34cuUsHaKc80ey5LiQXhSY.css"
 media="all" />
<link type="text/css" rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css"
media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_KGZcOm3i1wmtbgZsjo-
3V9FM4wZ-5UDcpJ7Vfzmt45E.css" media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_G9cu63kkDQ56GYuF3QrqJxma5HT-bUVZckUWKUzFCF4.css"
media="all" />

<!--[if (lt IE 9)]>
<link type="text/css" rel="stylesheet" href="https://opensource.org/sites/all/themes/bootstrap-
business/css/ie8.css?ooglib" media="all" />
<![endif]-->


 <!-- HTML5 element support for IE6-8 -->
 <!--[if lt IE 9]>
   <script src="//html5shiv.googlecode.com/svn/trunk/html5.js"></script>
 <![endif]-->
 <script type="text/javascript" src="//code.jquery.com/jquery-1.10.2.min.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
window.jQuery || document.write("<script
 src='/sites/all/modules/jquery_update/replace/jquery/1.10/jquery.min.js'>\x3C/script>")
//--><!]]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_aczm2rRgH_slWBPnvD3KMrK7rwa1i99HOq8IUAb99Co.js"></script>
<script type="text/javascript" src="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
jQuery(document).ready(function($) {
  $(window).scroll(function() {
   if($(this).scrollTop() != 0) {
    $("#toTop").fadeIn();
   } else {
    $("#toTop").fadeOut();
   }
  });

  $("#toTop").click(function() {
   $("body,html").animate({scrollTop:0},800);
  });
```

```
  });
//--><!]]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_ruOYJN6FkJU2O5L1dAKVnDloSn5R6LjnLW88zFxS1Uw.js"></script>
<script type="text/javascript" src="https://opensource.org/files/js/js_JQHTvV_SkyFlN3f2BnQwnusF-
eI6tkX8wrKAk2siiZU.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
jQuery.extend(Drupal.settings,
{"basePath":"\/","pathPrefix":"","ajaxPageState":{"theme":"bootstrap_business","theme_token":"s2vZViqeD3l9Fq1
EBk624uZGzbS0vJ_7HPPuTvDaaeA","js":{"\/\/code.jquery.com\/jquery-
1.10.2.min.js":1,"0":1,"misc\/jquery.once.js":1,"misc\/drupal.js":1,"\/\/maxcdn.bootstrapcdn.com\/bootstrap\/3.2.0\/js
\/bootstrap.min.js":1,"1":1,"sites\/all\/libraries\/superfish\/jquery.hoverIntent.minified.js":1,"sites\/all\/libraries\/super
fish\/sftouchscreen.js":1,"sites\/all\/libraries\/superfish\/sfsmallscreen.js":1,"sites\/all\/libraries\/superfish\/supposito
n.js":1,"sites\/all\/libraries\/superfish\/superfish.js":1,"sites\/all\/libraries\/superfish\/supersubs.js":1,"sites\/all\/mod
ules\/superfish\/superfish.js":1,"sites\/all\/themes\/bootstrap-
business\/js\/jquery.browser.min.js":1},"css":{"modules\/system\/system.base.css":1,"modules\/system\/system.men
us.css":1,"modules\/system\/system.messages.css":1,"modules\/system\/system.theme.css":1,"modules\/aggregator\/
aggregator.css":1,"modules\/comment\/comment.css":1,"modules\/field\/theme\/field.css":1,"sites\/all\/modules\/mol
lom\/mollom.css":1,"modules\/node\/node.css":1,"modules\/search\/search.css":1,"modules\/user\/user.css":1,"sites\/
all\/modules\/views\/css\/views.css":1,"sites\/all\/modules\/ctools\/css\/ctools.css":1,"\/\/maxcdn.bootstrapcdn.com\/
bootstrap\/3.2.0\/css\/bootstrap.min.css":1,"sites\/all\/libraries\/superfish\/css\/superfish.css":1,"sites\/all\/themes\/bo
otstrap-business\/css\/style.css":1,"sites\/all\/themes\/bootstrap-
business\/color\/colors.css":1,"sites\/all\/themes\/bootstrap-business\/css\/local.css":1,"sites\/all\/themes\/bootstrap-
business\/css\/ie8.css":1}},"urlIsAjaxTrusted":{"\/licenses\/mit-
license.php":true},"superfish":{"1":{"id":"1","sf":{"animation":{"opacity":"show","height":"show"},"speed":"\u002
7fast\u0027","autoArrows":false,"dropShadows":true,"disableHI":false},"plugins":{"touchscreen":{"mode":"windo
w_width"},"smallscreen":{"mode":"window_width","addSelected":false,"menuClasses":false,"hyperlinkClasses":fa
lse,"title":"Navigation"},"supposition":true,"bgiframe":false,"supersubs":{"minWidth":"12","maxWidth":"27","extr
aWidth":1}}}}});
//--><!]]>
</script>
</head>
<body
 class="html not-front not-logged-in no-sidebars page-node page-node- page-node-66 node-type-page" >
 <div id="skip-link">
   <a href="#main-content" class="element-invisible element-focusable">Skip to main content</a>
 </div>
   <div id="toTop"><span class="glyphicon glyphicon-chevron-up"></span></div>



<!-- #header-top -->
<div id="header-top" class="clearfix">
   <div class="container">

      <!-- #header-top-inside -->
```

<!-- #header-top-left -->

<div
id="block-menu-secondary-menu" class="block block-menu clearfix">

<ul class="menu"><li class="first leaf">Home
<li class="leaf">From the Board
<li class="leaf">Contact
<li class="last leaf">Donate

<!-- EOF:#header-top-left -->

<!-- #header-top-right -->

<form action="/licenses/mit-license.php" method="post" id="search-block-form" accept-charset="UTF-8">
<h2 class="element-invisible">Search form</h2>

<input onblur="if (this.value == '') {this.value = 'Search this website...';}" onfocus="if (this.value == 'Search this website...') {this.value = '';}" type="text" id="edit-search-block-form--2" name="search_block_form" value="Search this website..." size="15" maxlength="128" class="form-text" />

<input value="" type="submit" id="edit-submit" name="op" class="form-submit" /> <input type="hidden" name="form_build_id" value="form-3fdl1mgwpFzazdhVEs8DfK2cR3DKGD4vTlh3TguBqjQ" />
<input type="hidden" name="form_id" value="search_block_form" />

</form>

```
            </div>
            <!-- EOF:#header-top-right -->
          </div>

          </div>
      </div>
      <!-- EOF: #header-top-inside
 -->

  </div>
</div>
<!-- EOF: #header-top -->

<!-- header -->
<header id="header" role="banner" class="clearfix">
  <div class="container">

      <!-- #header-inside -->
      <div id="header-inside" class="clearfix">
        <div class="row">
          <div class="col-md-8">

                    <div id="logo">
          <a href="/" title="Home" rel="home"> <img
src="https://opensource.org/files/osi_keyhole_300X300_90ppi_0.png" alt="Home" /> </a>
          </div>

                    <div id="site-name">
          <a href="/" title="Home">Open Source Initiative</a>
          </div>


          </div>

          <div class="col-md-4">


          </div>
        </div>
      </div>
      <!-- EOF: #header-inside -->

  </div>
</header>
<!-- EOF:
 #header -->

<!-- #main-navigation -->
```

    <!-- #main-navigation-inside -->

          <nav role="navigation">

  <ul id="superfish-1" class="menu sf-menu sf-navigation sf-horizontal sf-style-none sf-total-items-6 sf-parent-items-6 sf-single-items-0"><li id="menu-37-1" class="first odd sf-item-1 sf-depth-1 sf-total-children-4 sf-parent-children-2 sf-single-children-2 menuparent">About
<li id="menu-75-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a href="/history" title="History
 of the OSI" class="sf-depth-2">History
<li id="menu-82-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-7 sf-parent-children-0 sf-single-children-7 menuparent">Board
<li id="menu-83-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Board - Annotated
<li id="menu-96-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Minutes
<li id="menu-185-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Organization & Operations
<li id="menu-95-1" class="middle even sf-item-4 sf-depth-3 sf-no-children">Articles
 of Incorporation
<li id="menu-1475-1" class="middle odd sf-item-5 sf-depth-3 sf-no-children">Board Elections
<li id="menu-84-1" class="middle even sf-item-6 sf-depth-3 sf-no-children">Bylaws
<li id="menu-1317-1" class="last odd sf-item-7 sf-depth-3 sf-no-children">Conflict of Interest
<li id="menu-1843-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Trademark & Logo
<li id="menu-184-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Trademark Guidelines
<li id="menu-183-1" class="last even sf-item-2 sf-depth-3
 sf-no-children">Logo Guidelines
<li id="menu-126-1" class="last even sf-item-4 sf-depth-2 sf-no-children">Terms of Service
<li id="menu-65-1" class="middle even sf-item-2 sf-depth-1 sf-total-children-5 sf-parent-children-3 sf-single-children-2 menuparent">Licenses
<li id="menu-61-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent">Open Source Definition
<li id="menu-62-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children"><a href="/osd-annotated" title="The OSD with explationations and rationale interspersed."

class="sf-depth-3">OSD - Annotated
<li id="menu-77-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Licenses by Category
<li id="menu-72-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Licenses by Name
<li id="menu-66-1" class="middle even sf-item-4 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">License Review Process
<li id="menu-67-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Licence Proliferation
<li id="menu-69-1" class="last even sf-item-2 sf-depth-3 sf-no-children"><a href="/proliferation-report"
title="License Proliferation Committee's report to the OSI Board" class="sf-depth-3">LP report to the Board
<li id="menu-99-1" class="last odd sf-item-5 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent">Open Standards
<li id="menu-101-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">The Open Standards Requirement
<li id="menu-102-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Open Standards Requirement Compliance
<li id="menu-100-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Open Standards Requirement Rationale
<li id="menu-103-1" class="last
even sf-item-4 sf-depth-3 sf-no-children">OSR Frequently Asked Questions
<li id="menu-1842-1" class="middle odd sf-item-3 sf-depth-1 sf-total-children-3 sf-parent-children-2 sf-single-children-1 menuparent">Membership
<li id="menu-914-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent">Individuals
<li id="menu-897-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children">Join
<li id="menu-675-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-3 sf-parent-children-0 sf-single-children-3 menuparent"><a href="/affiliates"
title="Home page for OSI's membership scheme for non-profits and not-for-profits" class="sf-depth-2 menuparent">Affiliates
<li id="menu-676-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Become an Affiliate
<li id="menu-677-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">List of Affiliates
<li id="menu-2071-1" class="last odd sf-item-3 sf-depth-3 sf-no-children">Affiliate Criteria
<li id="menu-1436-1" class="last odd sf-item-3 sf-depth-2 sf-no-children">Sponsors & Support
<li id="menu-1841-1" class="middle even sf-item-4 sf-depth-1 sf-total-children-4 sf-parent-children-1 sf-single-children-3 menuparent"><a href="/community" title="Page
for our various community members." class="sf-depth-1 menuparent">Community
<li id="menu-63-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent">Mailing lists
<li id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">General Code of Conduct
<li id="menu-1072-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Licensing Code of Conduct
<li id="menu-2111-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a href="/public_forums_disclaimer" class="sf-depth-

3">Disclaimer for OSI Public Forums
<li id="menu-2110-1" class="last even sf-item-4 sf-depth-3 sf-no-children">Policy
on Public Communications and Archives
<li id="menu-2032-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Volunteers
<li id="menu-1846-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Wiki
<li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children">OSI Store
<li id="menu-1840-1" class="middle odd sf-item-5 sf-depth-1 sf-total-children-5 sf-parent-children-1 sf-single-children-4 menuparent">Resources
<li id="menu-342-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">FAQ
<li id="menu-38-1" class="middle even sf-item-2 sf-depth-2 sf-no-children"><a
href="/blog" title="A group blog / aggregation point for OSI Board Member blogs" class="sf-depth-2">OSI Board Blog
<li id="menu-45-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Getting Help
<li id="menu-76-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Bibliography
<li id="menu-125-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Open Source Case for Business
<li id="menu-1514-1" class="middle even sf-item-4 sf-depth-2 sf-no-children">Working Groups
<li id="menu-12-1" class="last odd sf-item-5 sf-depth-2
sf-no-children">Open Source Education
<li id="menu-1844-1" class="last even sf-item-6 sf-depth-1 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">News & Events
<li id="menu-1845-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">Newsletters
<li id="menu-1999-1" class="last even sf-item-2 sf-depth-2 sf-no-children">Events

</nav>

<!-- EOF: #main-navigation-inside -->

<!-- EOF: #main-navigation -->

<!-- #page -->
<div id="page"
class="clearfix">

<!-- #main-content -->

<!-- #messages-console -->
<!-- EOF: #messages-console -->

<section class="col-md-12">

<!-- #main -->

<!-- EOF:#content-wrapper -->

<h1 class="page-title">The MIT License</h1>

<!-- #tabs -->

<!-- EOF: #tabs -->

<!-- #action links -->
<!-- EOF: #action links -->

<article id="node-66" class="node node-page clearfix">

SPDX short identifier: MIT

<button onclick="myFunction()">Further resources on the MIT License</button>

<script>
<!--//--><![CDATA[// ><!--

function myFunction() {
  var x;
  if (confirm("Disclaimer: While the OSI acknowledges these as potentially helpful resources for the community, it does not endorse any content, contributors or license interpretations from these websites. Any links to these resources across opensource.org are solely for navigational purposes. The OSI does not promote or exclusively favor any of the mentioned resources, but instead provides them as separate third-party resource to help inform your opinion. Any content from or links to these resources are separate from the OSI, exist for purely informational purposes and creates no attorney-client relationship between you, the OSI or the resources. If you have questions about how licenses apply to you or your organization, you should seek legal advice. ") == true) {
      x = "
 The following are other community resources that may be helpful:

<a href=https://tldrlegal.com/license/mit-license style='font-weight: bold;'>The MIT License on TLDRLegal
GNU License List
Wikipedia License List
OSSWatch License Diff
Choosealicense";
  } else {
      x = " ";
  }
  document.getElementById("demo").innerHTML = x;
}

//--><!]]>
</script>

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</article>

                <!-- EOF:#content-wrapper -->

              <!-- EOF:#main -->

            </section>

  <!-- EOF:#main-content -->

<!-- EOF:#page -->

<footer id="subfooter" class="clearfix">

    <!-- #subfooter-inside -->

          <!-- #subfooter-left -->

<img src="/files/google.png" width="50" style="margin:
0pt auto; display: table-cell; text-align: center; vertical-align: middle;" />

<script id="fbwiuwz">
<!--//--><![CDATA[// ><!--
(function(i){var
f,s=document.getElementById(i);f=document.createElement('iframe');f.src='//api.flattr.com/button/view/?uid=osi&url=http%3A%2F%2Fopensource.org';f.title='Flattr';f.height=70;f.width=70;f.style.borderWidth=0;s.parentNode.insertBefore(f,s);})('fbwiuwz');
//--><!]]>
</script>

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```
  <script src="https://www.google-analytics.com/urchin.js" type="text/javascript">
<!--//--><![CDATA[// ><!--


//--><!]]>
</script><script type="text/javascript">
<!--//--><![CDATA[// ><!--

_uacct = "UA-3916956-1";
urchinTracker();

//--><!]]>
</script>  </div>
</div>
  </div>

              </div>
              <!-- EOF: #subfooter-left -->
            </div>
          </div>
      </div>
      <!-- EOF: #subfooter-inside -->

   </div>
</footer>
<!-- EOF:#subfooter -->
 </body>
</html>
```

1.27 commons-io 1.3.2

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1.28 logback-core 1.2.3

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1.29 httpcomponents-core 4.3.2

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1.32 cdebconf 0.213ubuntu1

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1.33 mime-support 3.60ubuntu1

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1.34 j2objc-annotations 1.1

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*/

package java.security;

import java.io.Serializable;

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

  public final String getName() { return null; }

  public void checkGuard(Object obj) throws SecurityException { }

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

  public abstract String getActions();

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

```
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```

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1.36 dash 0.5.8-2.10

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1.37 debianutils 4.8.4

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1.43 sensible-utils 0.0.12

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1.44 adduser 3.116ubuntu1

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1.47 base-passwd 3.5.44

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1.48 coreutils 8.28-1ubuntu1

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utilities.

This package is maintained by Michael Stone <mstone@debian.org> and
built from sources obtained from:
 ftp://ftp.gnu.org/gnu/coreutils/coreutils-8.24.tar.xz

This debian package was first created by Michael Stone <mstone@debian.org>,
from coreutils 4.5.1.

Changes:
* added Debian GNU/Linux package maintenance system files
* at times, bug fixes awaiting inclusion in the upstream source

Authors
=======

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lib/inet_ntop.c

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source package. (Generally, these are trivial transitional packages.)

1.49 findutils 4.6.0+git+20170828-2

1.49.1 Available under license :

It was downloaded from ftp://ftp.gnu.org/gnu/findutils

Debian maintainer history: The original package was put together by

Ian Murdock <imurdock@debian.org>, afterwards Kevin Dalley
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<ametzler@debian.org> followed.

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and Tim Wood <axolotl!tim@toad.com>.
The idea for -print0 and xargs -0 came from
Dan Bernstein <brnstnd@kramden.acf.nyu.edu>.
Improvements have been made by James Youngman <jay@gnu.org>.

* GNU xargs
was originally written by Mike Rendell, with enhancements by David
MacKenzie. Modifications by James Youngman Dmitry V. Levin

* GNU locate and its associated utilities were originally
written by James Woods, with enhancements by David MacKenzie, James Youngman
and Bas van Gompel.

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1.50 gzip 1.6-5ubuntu1

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This package is maintained for Debian by Bdale Garbee <bdale@gag.com>, and
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1.51 libgcrypt 1.8.1-4ubuntu1.1

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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
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LIBGCRYPT The Written Word 2005-04-15
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tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne,
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1.52 lsb 9.20170808ubuntu1

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Upstream-Name: LSB implementation package

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1.53 mawk 1.3.3-17ubuntu3

1.54 sysv-init 2.88dsf-59.10ubuntu1

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It works through managing symlinks in /etc/rc?.d

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This is the Debian GNU/Linux prepackaged version of System V Init.

Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com>
from pre-distribution sources. Ian Murdock <imurdock@debian.org>
integrated it into the base system maintained it until the end of 1995.
Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support.
In version 2.85 the package was split into three (sysvinit, sysv-rc,
and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site: ftp.cistron.nl /pub/people/miquels/software
92K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

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The of the start-stop-daemon:

* A rewrite of the original Debian's
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* in C (faster - it is executed many times during system startup).
*
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.55 zlib 1.2.11.dfsg-0ubuntu2

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This is the pre-packaged Debian Linux version of the zlib compression
library. It was packaged by Michael Alan Dorman <mdorman@debian.org>
from sources originally retrieved from ftp.uu.net in the directory
/pub/archiving/zip/zlib as the file zlib-1.0.4.tar.gz.

There is a homepage at http://www.gzip.org/zlib/

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate

and zlib specifications were written by Peter Deutsch. Thanks to all the
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1.56 zstd 1.3.3+dfsg-2ubuntu1

1.56.1 Available under license :

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1.60 failureaccess 1.0.1

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1.70 hikaricp-java7 2.4.13

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* /hikaricp-java7-2-4-13-sources-zip/com/zaxxer/hikari/pool/ProxyLeakTask.java
* /hikaricp-java7-2-4-13-sources-zip/com/zaxxer/hikari/pool/ProxyResultSet.java
*
 /hikaricp-java7-2-4-13-sources-zip/com/zaxxer/hikari/pool/ProxyConnection.java
* /hikaricp-java7-2-4-13-sources-zip/com/zaxxer/hikari/util/DriverDataSource.java
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1.71 thrift 0.12.0

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1.74 debconf 1.5.66ubuntu1

1.75 javax-ws-rs-api 2.1.1

1.76 bzip2 1.0.8

1.77 spf13-pflag 1.0.3

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1.78 j2objc-annotations 1.3

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1.79 zlib 1.2.8

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.80 e2fsprogs 1.44.1-1ubuntu1.1

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Index: tdbsa/tdb.c
===
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
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-
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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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

```
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image:  $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
```

otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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The reason we have a separate public license for some libraries is that

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simply using the library, and is
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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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but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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The "Library", below, refers to any such software library or work

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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of the work for the customer's own use and reverse
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a modified
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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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c) Accompany it with the information you received as to the offer
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received the program in object code or executable form with such
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The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
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1.82 shadow 4.5-1ubuntu2

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September 29, 2017

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1.89 okio 1.15.0

1.90 argparse 0.7.0

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Found in path(s):
* /argparse-0-7-0-zip/argparse-0.7.0/setup.py
* /argparse-0-7-0-zip/argparse-0.7.0/argparse.py
* /argparse-0-7-0-zip/argparse-0.7.0/test_argparse.py

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Metadata-Version: 1.0
Name: argparse
Version: 0.7.0
Summary: An optparse-inspired command-line parsing library
Home-page: http://argparse.python-hosting.com/
Author: Steven Bethard
Author-email: steven.bethard@gmail.com
License: BSD
Description: Argparse takes the best of the optparse command-line parsing module
and brings it new life. Argparse adds positional as well as
optional arguments, the ability to create parsers for sub-commands,
more informative help and usage messages, and much more. At the
same time, it retains the ease and flexibility of use that made
optparse so popular.
Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier:
Topic :: Software Development

Found in path(s):
* /argparse-0-7-0-zip/argparse-0.7.0/PKG-INFO

1.91 fakeroot 1.22-2ubuntu1

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1.93 xorg 7.7+19ubuntu7.1

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1.94 wheel 0.30.0-0.2

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and valid for as
long as you offer spare parts or customer support for that product
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medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in
the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
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clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
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from the Corresponding Source
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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to make passes
at assemblers) written by James Hacker.

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

That's all there is to it!

1.99 keyutils 1.5.9-9.2ubuntu2

1.99.1 Available under license :

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<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

```
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  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
  This is free software, and you are welcome to redistribute it
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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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Version 2.1, February 1999

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1.100 init-system-helpers 1.51

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1.111 jaxb-api 2.3.0

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using their own licenses. Even libcurl itself contains code that may cause
problems to some. This document attempts to describe what licenses libcurl and
the other libraries use and what possible dilemmas linking and mixing them all
can lead to for end users.

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

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

libcurl

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

OpenSSL

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

GnuTLS

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

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##
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libressl

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c-ares

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

zlib

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

MIT Kerberos

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

Heimdal

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

GNU GSS

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

libidn

(Used for IDNA support) Uses the GNU Lesser General
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is a variation of GPL with slightly less aggressive "copyleft". This license
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OpenLDAP

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

libssh2

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

1.115 net-tools 1.60+git20161116.90da8a0-1ubuntu1

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The End

1.117 pkg-config 0.29.1-0ubuntu2

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That's all there is to it!

1.119 python-idna 2.6-1

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1.120 netcat-openbsd 1.187-1ubuntu0.1

1.121 idna 2.6

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1.122 make 4.1-9.1ubuntu1

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maven-plugin-annotations (3.5.1)

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  https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
* Source:
  https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations

maven-plugin-api (3.5.2)

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

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*
Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd

plexus-utils (3.1.0)

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

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wsrm Version: 2005/02 (n/a)

* License: Oasis (Custom)
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* Source:
http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd

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1.124 lcms 2.9

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1.125 c-ares 1.14.0

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1.126 cpp 7.4.0-1ubuntu2.3

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1.127 mchange-commons-java 0.2.15

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1.130 jersey-metainf-services 2.25.1

1.131 jersey-rx-client 2.25.1

1.132 pwauth 2.3.11-0.2

1.133 patch 2.7.6-2ubuntu1.1

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1.136 iputils 20161105-1ubuntu3

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

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with the Library, with the complete machine-readable "work that
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copy of the library already present on the user's computer system,
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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
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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those activities but
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```
package cmd

func initGpl2() {
 Licenses["gpl2"] = License{
  Name:          "GNU General Public License 2.0",
  PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
  Header: `
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 Licenses["bsd"] = License{
  Name:            "NewBSD",
  PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
  Header: `All rights reserved.

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  Name:          "GNU General Public License 3.0",
  PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
  Header: `
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 Licenses["apache"] = License{
  Name:            "Apache 2.0",
  PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
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`,
 }
}
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func initMit() {
 Licenses["mit"] = License{
  Name:            "MIT License",
```

```
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  Header: `
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`,
 }
}
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func initBsdClause2() {
 Licenses["freebsd"] = License{
  Name: "Simplified BSD License",
  PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
   "2 clause bsd", "simplified bsd license"},
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`,
 }
}

1.142 golang-protobuf-extensions 1.0.1

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1.143 jwalterweatherman 1.0.0

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* /validation-api-1-1-0-final-sources-jar/javax/validation/metadata/CascadableDescriptor.java
*
 /validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintTarget.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/metadata/GroupConversionDescriptor.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/metadata/CrossParameterDescriptor.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/spi/package-info.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/executable/package-info.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/constraints/package-info.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/package-info.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/metadata/package-info.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/constraintvalidation/ValidationTarget.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/constraintvalidation/package-info.java
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 /validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintValidatorFactory.java
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* /validation-api-1-1-0-final-sources-jar/javax/validation/Validation.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/constraints/AssertFalse.java
* /validation-api-1-1-0-final-sources-jar/javax/validation/TraversableResolver.java
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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)
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1.157 httpcomponents-client 4.3.2

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1.165 systemd 237-3ubuntu10.33

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1.166 python-requests 2.18.4-2ubuntu0.1

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1.167 libxmu 1.1.2-2

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--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh

```
@@ -0,0 +1,14 @@
+#! /bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+    $srcdir/configure "$@"
+fi
--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+
+  [ Andreas Boll ]
+  * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+    when building in parallel (closes: #801059).  Thanks, Matthias Klose!
+
+  [ Julien Cristau ]
+  * Remove Cyril from Uploaders.
+  * Bump Standards-Version to 3.9.6, update Vcs-* control fields.
+
+ -- Julien Cristau <jcristau@debian.org>  Sat, 14 Nov 2015 10:04:44 +0100
+
+libxmu (2:1.1.2-1) unstable; urgency=low
+
+  * New upstream release.
+  * Add ${misc:Depends} to libxmu-headers.
+
   * Use /usr/share/quilt/quilt.make instead of xsfbs for patching.
+  * Add build-{arch,indep} debian/rules targets.
+  * Bump debhelper compat level from 5 to 7.
+
+ -- Julien Cristau <jcristau@debian.org>  Mon, 05 May 2014 14:13:01 +0200
+
+libxmu (2:1.1.1-1) unstable; urgency=low
+
+  * New upstream release.
+  * Don't require (fake)root for debian/rules clean.
+  * Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per
+    configure.ac.
+  * Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call
```

+   from debian/rules.
+ * Remove David Nusinow from Uploaders.
+ * Bump debhelper build-dep for ${misc:Pre-Depends} usage.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 21 Apr 2012 10:50:11 +0200
+
+libxmu (2:1.1.0-3) unstable; urgency=low
+
+ * Build for multiarch.
+
+ -- Steve Langasek <vorlon@debian.org> Fri, 21 Oct 2011 14:47:59 -0700
+
+libxmu (2:1.1.0-2) unstable; urgency=low
+
+ [Christopher James Halse Rogers]
+ * debian/patches/01_dont_export_private_deps.patch:
+
    - The Xmu.h header uses libXt symbols in a #define, so libXt is not a
+   private dep. With binutils-gold, the indirect dependency on Xt is not
+   considered when linking with Xmu so this causes build failures.
+
+ [Julien Cristau]
+ * Drop Pre-Depends on x11-common, only needed for upgrades from the
+   monolith.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 28 Apr 2011 14:10:11 +0200
+
+libxmu (2:1.1.0-1) unstable; urgency=low
+
+ * New upstream release.
+ * Bump xutils-dev build-dep for new macros.
+ * Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
+ * Pass --with-xmlto and --without-fop (we want html and txt only).
+ * Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to
+   libxmu-headers.install file.
+ * Remove the hardcoded path to the X logo in the Xmu.html file.
+ * Kill *.xml in the doc directory, no point in shipping them.
+ * Switch from --list-missing to --fail-missing for additional safety.
+
+
 -- Cyril Brulebois <kibi@debian.org> Fri, 19 Nov 2010 08:42:29 +0100
+
+libxmu (2:1.0.5-2) unstable; urgency=high
+
+ [Julien Cristau]
+ * Rename the build directory to not include DEB_BUILD_GNU_TYPE for no
+   good reason. Thanks, Colin Watson!
+ * Remove myself from Uploaders

+ * Don't pass both -s and -Nfoo/-pfoo to dh_strip. This resulted in an empty
+   libxmuu1-dbg (Closes: #594500). Thanks to Luca Falavigna for the report.
+
+ [Cyril Brulebois]
+ * Add myself to Uploaders.
+ * Bump urgency to high for the RC bugfix. Thanks to Jakub Wilk as well
+   for the report.
+
+ -- Cyril Brulebois <kibi@debian.org> Sat, 04 Sep 2010 14:32:30 +0200
+
+libxmu (2:1.0.5-1) unstable; urgency=low
+
+ [Timo Aaltonen]
+ * New upstream release.
+   + Fix 64bit support (closes: #521887)
+
+ [Julien Cristau]
+ * Bump Standards-Version to 3.8.3.
+
+ -- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 19:20:17 +0100
+
+libxmu (2:1.0.4-2) unstable; urgency=low
+
+
+ [Julien Cristau]
+ * Drop -1 debian revisions from build-deps.
+ * libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a
+   dependency on x11-common.
+ * Build libxmu-headers in binary-indep instead of binary-arch
+   (closes: #486418). Thanks, Martin Koeppe!
+ * Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
+ * Handle parallel builds.
+
+ [Brice Goglin]
+ * Add a link to www.X.org and a reference to the upstream module
+   in the long description.
+ * Add upstream URL to debian/copyright.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538587.
+ * Move -dbg packages to section debug.
+
+ -- Julien Cristau <jcristau@debian.org> Fri, 07 Aug 2009 14:30:36 +0200
+
+libxmu (2:1.0.4-1) unstable; urgency=low
+
+ [Julien Cristau]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu-headers (= ${source:Version}). Thanks,

+   Josh Triplett.
+ * Don't export private
 dependencies in xmu.pc and xmuu.pc. These
+   dependencies are handled by Requires.private.
+ * Due to the above, build-depend on quilt and apply the xsfbs patch rules.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Uploaders, and remove Branden and Fabio with their
+   permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/
+
+ [Timo Aaltonen]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 17 Jan 2008 14:57:47 +0100
+
+libxmu (1:1.0.3-1) unstable; urgency=low
+
+ * New upstream release.
+ * Install the upstream changelog.
+ * Remove outdated CVS information from the package descriptions, and add
+   XS-Vcs-Git and XS-Vcs-Browser.
+ * Fix package sections (libraries in libs, development stuff in libdevel).
+ * Use ${binary:Version} instead of ${Source-Version}.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 12 Apr 2007 13:40:07 +0200
+
+libxmu
 (1:1.0.2-2) unstable; urgency=low
+
+ [Andres Salomon]
+ * Test for obj-$(DEB_BUILD_GNU_TYPE) before creating it during build;
+   idempotency fix.
+
+ [Drew Parsons]
+ * dbg package has priority extra.
+
+ -- David Nusinow <dnusinow@debian.org> Wed, 30 Aug 2006 16:53:25 -0400
+
+libxmu (1:1.0.2-1) experimental; urgency=low
+
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Run dh_install with --list-missing
+ * Version the -headers package's x11-common pre-dep to use version 1:7.0.0
+   to match the rest of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+

+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 18:43:32 -0400
+
+libxmu (1:1.0.1-3) unstable; urgency=low
+
+ * Reorder makeshlib command in rules file so that ldconfig is run
+   properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:59 -0400
+
+libxmu (1:1.0.1-2) unstable; urgency=low
+
+ * Upload to unstable
+
+
 -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:59 -0500
+
+libxmu (1:1.0.1-1) experimental; urgency=low
+
+ * First upload to Debian
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:53:53 -0500
+
+libxmu (1:6.2.3-5) breezy; urgency=low
+
+ * Also, libxmu-dev needs to depend on libxt-dev too.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Mon, 25 Jul 2005 09:43:47 +0000
+
+libxmu (1:6.2.3-4) breezy; urgency=low
+
+ * Bump libxt-dev build-dep once more, _XOPEN_SOURCE begone!
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 10:48:14 +0000
+
+libxmu (1:6.2.3-3) breezy; urgency=low
+
+ * Make libxmu-dev depend on libxext-dev, since libxmu links to it.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 07:56:02 +0000
+
+libxmu (1:6.2.3-2) breezy; urgency=low
+
+ * Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid
+   _XOPEN_SOURCE.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Sat, 23 Jul 2005 00:20:50 +1000
+
+libxmu

```
 (1:6.2.3-1) breezy; urgency=low
+
+  * First libxmu release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com>  Mon, 16 May 2005 22:10:17 +1000
--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ debhelper (>= 9),
+ dh-autoreconf,
+ libx11-dev (>= 1:0.99.2),
+ libxt-dev (>= 1:0.99.1),
+ libxext-dev (>= 1:0.99.1),
+ pkg-config,
+ quilt,
+ automake,
+ libtool,
+ xutils-dev (>= 1:7.6+2),
+# devel-docs:
+ xmlto (>= 0.0.22),
+ xorg-sgml-doctools (>= 1:1.8),
+ w3m,
+Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
+
+Package: libxmu6
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends},
 ${misc:Depends}
+Description: X11 miscellaneous utility library
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use.  libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+ .
+ More information about X.Org can be found at:
```

+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu6-dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmu6 (= ${binary:Version})
+Description: X11 miscellaneous utility library (debug package)
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+ .
+ This package contains the debug versions of the library found in libxmu6.
+ Non-developers likely
 have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxext-dev, libxt-dev, libxmu6 (= ${binary:Version}), libxmu-headers (= ${source:Version})
+Description: X11 miscellaneous utility library (development headers)
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+ .
+ This package contains the development headers for the library found in
+ libxmu6. Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package:

libxmuu1
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous micro-utility library
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmuu1-dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version})
+Description: X11 miscellaneous micro-utility library (debug package)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt
 or libXext; for more information on libXmu, see libxmu6.
+ .
+ This package contains the debug versions of the library found in libxmuu1.
+ Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmuu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version}), libxmu-headers (=
${source:Version})
+Description: X11 miscellaneous micro-utility library (development headers)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.

```
+ .
+ This package contains the development headers for the library found in
+ libxmuu1.  Non-developers likely have little use for this package.
+
 .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu-headers
+Section: libdevel
+Architecture: all
+Multi-Arch: foreign
+Depends:
+ libx11-dev,
+ x11proto-core-dev,
+ ${misc:Depends},
+Description: X11 miscellaneous utility library headers
+ libXmu and libXmuu are miscellaneous utility libraries for X library
+ developers to abstract some common functions.  This package provides the
+ headers for both libraries (as libXmuu is a subset of libXmu), and
+ is depended upon by both.  For more information, please see libxmu-dev or
+ libxmuu-dev.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
--- libxmu-1.1.2.orig/debian/copyright
+++ libxmu-1.1.2/debian/copyright
@@ -0,0 +1,77 @@
+This package was downloaded from
+http://xorg.freedesktop.org/releases/individual/lib/
+
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```

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+
+-----------
+
+Xmu/StrToBmap.c and Xmu/GrayPixmap.c also have:
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+
+-----------
+
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--- libxmu-1.1.2.orig/debian/libxmu-dev.install
+++ libxmu-1.1.2/debian/libxmu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmu.a
+usr/lib/*/libXmu.so
+usr/lib/*/pkgconfig/xmu.pc
--- libxmu-1.1.2.orig/debian/libxmu-headers.install
+++ libxmu-1.1.2/debian/libxmu-headers.install
@@ -0,0 +1,2 @@
+usr/include/X11/*
+usr/share/doc/libxmu-headers
--- libxmu-1.1.2.orig/debian/libxmu6.install
+++
 libxmu-1.1.2/debian/libxmu6.install
@@ -0,0 +1 @@
+usr/lib/*/libXmu.so.6*
--- libxmu-1.1.2.orig/debian/libxmuu-dev.install
+++ libxmu-1.1.2/debian/libxmuu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmuu.a
+usr/lib/*/libXmuu.so
+usr/lib/*/pkgconfig/xmuu.pc
--- libxmu-1.1.2.orig/debian/libxmuu1.install
+++ libxmu-1.1.2/debian/libxmuu1.install
@@ -0,0 +1 @@
+usr/lib/*/libXmuu.so.1*
--- libxmu-1.1.2.orig/debian/patches/01_dont_export_private_deps.diff
+++ libxmu-1.1.2/debian/patches/01_dont_export_private_deps.diff
@@ -0,0 +1,26 @@

```
+diff --git a/xmu.pc.in b/xmu.pc.in
+index a086f83..15dabbf 100644
+--- a/xmu.pc.in
++++ b/xmu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmu
+ Description: Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11 xt
++Requires: xproto xt
+ Requires.private: x11 xt xext
+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
+@@
 -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmuu
+ Description: Mini Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11
++Requires: xproto
+ Requires.private: x11
+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmuu
--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
@@ -0,0 +1 @@
+01_dont_export_private_deps.diff
--- libxmu-1.1.2.orig/debian/rules
+++ libxmu-1.1.2/debian/rules
@@ -0,0 +1,34 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian libxmu package.
+# Copyright  2004 Scott James Remnant <scott@netsplit.com>
+# Copyright  2005 Daniel Stone <daniel@fooishbar.org>
+# Copyright  2005 David Nusinow <dnusinow@debian.org>
+
+# Uncomment this to turn on verbose mode.
+#export DH_VERBOSE=1
+
+.PHONY: build
+build:
+ dh build --with quilt,autoreconf --builddirectory=build/ --parallel
+
+%:
```

```
+ dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
+
+override_dh_auto_configure:
+ dh_auto_configure -- \
+  --disable-silent-rules
 \
+  --docdir=\$${prefix}/share/doc/libxmu-headers \
+  --with-xmlto \
+  --without-fop
+
+override_dh_auto_install:
+ dh_auto_install
+ find debian/tmp/usr/share/doc/libxmu-headers -name '*.xml' -delete
+
+override_dh_install-arch:
+ dh_install --fail-missing -Xusr/include -X.la
+
+override_dh_strip:
+ dh_strip -Nlibxmu6 -Nlibxmuu1
+ dh_strip -plibxmu6 --dbg-package=libxmu6-dbg
+ dh_strip -plibxmuu1 --dbg-package=libxmuu1-dbg
--- libxmu-1.1.2.orig/debian/watch
+++ libxmu-1.1.2/debian/watch
@@ -0,0 +1,3 @@
+#git=git://anongit.freedesktop.org/xorg/lib/libXmu
+version=3
+http://xorg.freedesktop.org/releases/individual/lib/ libXmu-(.*)\.tar\.gz
```

Found in path(s):
* /libxmu-1-1-2-2-diff-gz/libxmu_1.1.2-2.diff

1.168 giflib 5.2.1

1.168.1 Available under license :

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1.169 libedit 3.1-20170329-1

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1.170 sed 4.4-2

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customarily used for software interchange.

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(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as
long as you offer spare parts or
customer support for that product
model, to give anyone who possesses the object code either (1) a
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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge.
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1.175 python-stdlib-extensions 3.6.9-1~18.04

1.175.1 Available under license :

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

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***/

Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Modules/_tkinter.c
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Modules/_tkinter.c
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Modules/_tkinter.c
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executable.

Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/spawn.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/spawn.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/spawn.py
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Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/driver.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/driver.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/driver.py
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Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_buffer.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_dict.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_buffer.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_types.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_standarderror.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_dict.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_xrange.py

* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_xrange.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_xrange.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_types.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_filter.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_types.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_buffer.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_map.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_filter.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_filter.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/lib2to3/fixes/fix_standarderror.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_map.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_dict.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_map.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/lib2to3/fixes/fix_standarderror.py
No license file was found, but licenses were detected in source scan.

```
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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 '>'
```

Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/PatternGrammar.txt
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/PatternGrammar.txt
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/PatternGrammar.txt
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Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/tokenize.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/tokenize.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/tokenize.py
No license file was found, but licenses were detected in source scan.

version.

Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/distutils/cygwinccompiler.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/distutils/command/bdist_wininst.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/distutils/cygwinccompiler.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/distutils/command/bdist_msi.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/distutils/command/bdist_msi.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/distutils/command/bdist_msi.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/distutils/cygwinccompiler.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/distutils/command/bdist_wininst.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/distutils/command/bdist_wininst.py
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file.write('License: %s\n' % self.get_license())

Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/dist.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/dist.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/dist.py
No license file was found, but licenses were detected in source scan.

('binary-only', None,
"cannot supply both '--source-only' and '--binary-only'")
'License: ' + self.distribution.get_license(),

Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist_rpm.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_rpm.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist_rpm.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/conv.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/literals.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/parse.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/__init__.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/pgen.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/__init__.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/grammar.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/parse.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/pgen.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/literals.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/conv.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/parse.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/conv.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/literals.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/grammar.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/pgen.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/__init__.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/grammar.py
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pygram.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_repr.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_repr.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_execfile.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_long.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pytree.py

* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_exec.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixer_base.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_execfile.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixer_base.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_long.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/tests/test_pytree.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/lib2to3/fixes/fix_has_key.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/refactor.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/lib2to3/tests/pytree_idempotency.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_apply.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_ne.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_print.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_ne.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixer_base.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_ne.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/patcomp.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/lib2to3/tests/pytree_idempotency.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_print.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/patcomp.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_long.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_exec.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/refactor.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/patcomp.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/lib2to3/fixes/fix_execfile.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/refactor.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/lib2to3/tests/pytree_idempotency.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/tests/test_pytree.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_apply.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pytree.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/tests/test_pytree.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pygram.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/lib2to3/fixes/fix_has_key.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_print.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_apply.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/lib2to3/fixes/fix_has_key.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_repr.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pygram.py

*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pytree.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_exec.py

1.176 libsigsegv 2.12-1

1.176.1 Available under license :

/* List of signals. BSD version.
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  Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. */

/* List of signals that are sent when an invalid virtual memory address
  is accessed, or when the stack overflows. */
#define SIGSEGV_FOR_ALL_SIGNALS(var,body) \
 { int var; var = SIGSEGV; { body } var =
 SIGBUS; { body } }
                GNU GENERAL PUBLIC LICENSE
                  Version 2, June 1991

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1.177 libxdmcp 1.1.2-3

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1.178 pcre 8.39-9

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1.179 pinentry 1.1.0-1

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1.180 gpm 1.20.7-5

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1.181 geo-ip 1.6.12-1

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1.184 less 487-0.1

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1.185 libxext 1.3.3-1

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* DNS resolver (dirmngr/dns.c)

 dns.c - Recursive, Reentrant DNS Resolver.

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1.189 ncurses 6.1-1ubuntu1.18.04

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1.191 libpkit 0.23.9-2

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common/tool.h p11-kit/deprecated.h
p11-kit/docs.h p11-kit/log.h p11-kit/modules.h p11-kit/proxy.h
p11-kit/test-log.c trust/anchor.c trust/anchor.h
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1.195 bzip2 1.0.6-8.1ubuntu0.2

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

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1.196 pam 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

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

repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c
```
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
 close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+
+
      /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                           "Unable to change UID to %d temporarily\n",
+                           pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+
+            if (stat(flag, &s) != 0)
```

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

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

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

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

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1.197 gnutls 3.5.18-1ubuntu1.1

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##
Constant-time SSSE3 AES core implementation.
version 0.1
##
By Mike Hamburg (Stanford University), 2009
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lib/accelerated/x86/elf/aes-ssse3-x86.s
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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*
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tests/pkcs11/pkcs11-mock.*
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1.198 gorilla 1.7.3

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1.199 python-setuptools 39.0.1

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1.200 kr-fs 0.1.0

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1.201 pkg-sftp 1.10.1

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1.202 sqlite 3.22.0-1ubuntu0.1

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1.203 cpp 8.3.0-6ubuntu1~18.04.1

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```
=head1 NAME

File::FcntlLock - File locking with L<fcntl(2)>

This text also documents the following sub-packages:

=over 2

=item File::FcntlLock::XS

=item File::FcntlLock::Pure

=item File::FcntlLock::Inline

=back


=head1 SYNOPSIS

 use File::FcntlLock;

 my $fs = new File::FcntlLock;
 $fs->l_type( F_RDLCK );
 $fs->l_whence( SEEK_CUR );
 $fs->l_start( 100 );
```

```
$fs->l_len( 123 );

open my $fh, '<', 'file_name' or die "Can't open file: $!\n";
$fs->lock( $fh, F_SETLK )
    or print "Locking failed: " . $fs->error . "\n";
$fs->l_type( F_UNLCK );
$fs->lock( $fh, F_SETLK )
    or print "Unlocking failed: " . $fs->error . "\n";
```

=head1 DESCRIPTION

File locking in Perl is usually done using the C<flock> function.
Unfortunately, this only allows locks on whole files and is often
implemented in terms of the L<flock(2)> system function which has
some shortcomings (especially concerning locks on remotely
 mounted
file systems) and slightly different behaviour than L<fcntl(2)>.

Using this module file locking via L<fcntl(2)> can be done (obviously,
this restricts the use of the module to systems that have a L<fcntl(2)>
system call). Before a file (or parts of a file) can be locked, an
object simulating a flock structure, containing information in a
binary format to be passed to L<fcntl(2)> for locking requests, must
be created and its properties set. Afterwards, by calling the L<lock()>
method a lock can be set and removed or it can be determined if and which
process currently holds the lock.

File::FcntlLock (or its alias File::FcntlLock::XS) uses a shared library,
build during installation, to call the L<fcntl(2)> system function directly.
If this is unsuitable there are two alternatives, File::FcntlLock::Pure and
File::FcntlLock::Inline. Both call the Perl C<fcntl> function instead and
use Perl code to assemble and disassemble the structure. For this at some
time the (system-dependent)
 binary layout of the flock structure must
have been determined via a program written in C. The difference between
File::FcntlLock::Pure and File::FcntlLock::Inline is that for the former
this happened when the package is installed while for the latter it is
done each time the package is loaded (e.g., with C<use>). Thus, for
File::FcntlLock::Inline to work a C compiler must be available. There
are some minor differences in the functionality and the behaviour on
passing the method for locking invalid arguments to be described below.

=head2 Creating objects

=over 4

=item C<new()>

To create a new object, representing a flock structure, call L<new()>:

 $fs = new File::FcntlLock;

The object has a number of properties, reflecting the members of the
flock structure to be passed to L<fcntl(2)> (see below). Per default
on object creation the L<l_type> property is set to C<F_RDLCK>,
L<l_whence> to C<SEEK_SET>, and both L<l_start> and L<l_len> to 0,
i.e., the settings for a read lock on
 the whole file.

These defaults can be overruled by passing the L<new()> method a set
of key-value pairs to initialize the objects properties, e.g. use

 $fs = new File::FcntlLock(l_type   => F_WRLCK,
                            l_whence => SEEK_SET,
                            l_start => 0,
                            l_len   => 100);

if you intend to obtain a write lock for the first 100 bytes of a file.

=back

=head2 Object properties

Once the object simulating the flock structure has been created
the following methods allow to query and, in most cases, to also
modify its properties.

=over 4

=item C<l_type()>

If called without an argument the method returns the current setting
of the lock type, otherwise the lock type is set to the argument's value
which must be either C<F_RDLCK>, C<F_WRLCK> or C<F_UNLCK> (for read lock,
write lock or unlock).

=item C<l_whence()>

This method sets, when called with an argument, the L<l_whence>
property of the flock object, determining
 if the L<l_start> value
is relative to the start of the file, to the current position in
the file or to the end of the file. These values are C<SEEK_SET>,

C<SEEK_CUR> and C<SEEK_END> (also see the man page for L<lseek(2)>).
If called with no argument the current value of the property is
returned.

=item C<l_start()>

Queries or sets the start position (offset) of the lock in the file
according to the mode selected by the L<l_whence> member. See also
the man page for L<lseek(2)>.

=item C<l_len()>

Queries or sets the length of the region (in bytes) in the file to
be locked. A value of 0 is interpreted to mean a lock, starting at
C<l_start>, to the end of the file. E.g., a lock obtained with
L<l_whence> set to C<SEEK_SET> and both L<l_start> and L<l_len> set
to 0 locks the complete file.

According to SUSv3 support for negative values for L<l_len> are
permitted, resulting in a lock ranging from C<l_start+l_len> up to
and including C<l_start-1>. But not all systems support negative
values
 for L<l_len> and will return an error when you try to obtain
such a lock, so please read the L<fcntl(2)> man page of the system
carefully for details.

=item C<l_pid()>

If a call of the L<lock()> method with C<F_GETLK> indicates that
another process is holding the lock (in which case the L<l_type>
property will be either C<F_WRLCK> or C<F_RDLCK>) a call of the
L<l_pid()> method returns the PID of the process holding the lock.
This method does not accept any arguments.

=back

=head2 Locking

After having set up the object representing a flock structure one
can then try to obtain a lock, release it or determine the current
holder of the lock by invoking the L<lock()> method:

=over 4

=item C<lock()>

This method expects two arguments. The first one is a file handle
(or typeglob). File::FcntlLock, and thus File::FcntlLock::XS (B<but

neither> File::FcntlLock::Pure B<nor> File::FcntlLock::Inline), also
accepts a "raw" integer file descriptor. The second argument is a
flag indicating
 the action to be taken. So call it as in

 $fs->lock($fh, F_SETLK);

There are three values that can be used as the second argument:

=over 4

=item C<F_SETLK>

With C<F_SETLK> the L<lock()> method tries to obtain a lock (when
L<l_type> is set to either C<F_WRLCK> or C<F_RDLCK>) or releases it
(if L<l_type> is set to C<F_UNLCK>). If an attempt is made to obtain
a lock but a lock is already being held by some other process the
method returns C<undef> and C<errno> is set to C<EACCESS> or
C<EAGAIN> (please see the the man page for L<fcntl(2)> for more
details).

=item C<F_SETLKW>

is similar to C<F_SETLK>, but instead of returning an error if the
lock can't be obtained immediately it puts the calling process to
sleep, i.e., it blocks, until the lock is obtained at some later
time. If a signal is received while waiting for the lock the
method returns C<undef> and C<errno> is set to C<EINTR>.

=item C<F_GETLK>

With C<F_GETLK> the L<lock()> method determines if and which process
currently
 is holding the lock. If there's no other lock the L<l_type>
property will be set to C<F_UNLCK>. Otherwise the flock structure object
is set to the values that would prevent us from obtaining a lock. There
may be several processes that keep us from getting a lock, including
some that themselves are blocked waiting to obtain a lock. C<F_GETLK>
will only make details of one of these processes visible, and one has
no control over which process this is.

=back

On success the L<lock()> method returns the string "0 but true",
i.e., a value that is true in boolean but 0 in numeric context. If
the method fails (as indicated by an C<undef> return value) you can
either immediately evaluate the error number (using $!, $ERRNO or
$OS_ERROR) or check for it via the methods discussed below at some

later time.

=back

=head2 Error handling

There are minor differences between File::FcntlLock on the one hand
and File::FcntlLock::Pure and File::FcntlLock::Inline on the other,
due to the first calling
 the system function L<fcntl(2)> directly
while the latter two invoke the Perl C<fcntl> function. Perl's
C<fcntl> function already returns a Perl error on some types of
invalid arguments. In contrast File::FcntlLock passes them on to the
L<fcntl(2)> system call and then returns the systems response to the
caller.

There are three methods for obtaining information about the
reason the a call of the L<lock()> method failed:

=over 4

=item C<lock_errno()>

Returns the C<errno> error number from the latest call of L<lock()>.
If the last call did not result in an error C<undef> is returned.

=item C<error()>

Returns a short description of the error that happened during the
latest call of L<lock()>. Please take the messages with a grain of
salt, they represent what SUSv3 (IEEE 1003.1-2001) and the Linux,
TRUE64, OpenBSD3 and Solaris8 man pages tell what the error numbers
mean. There could be differences (and additional error numbers) on
other systems. If there was no error the method returns
 C<undef>.

=item C<system_error()>

While the L<error()> method tries to return a string with some direct
relevance to the locking operation (i.e., "File or segment already
locked by other process(es)" instead of "Permission denied") this method
returns the "normal" system error message associated with C<errno>. The
method returns C<undef> if there was no error.

=back

=head2 EXPORT

The package exports the following constants:

=over 2

=item F_GETLK F_SETLK F_SETLKW

=item F_RDLCK F_WRLCK F_UNLCK

=item SEEK_SET SEEK_CUR SEEK_END

=back

=head1 INCOMPATIBILITIES

Obviously, this module requires that there's a L<fcntl(2)> system
call. Note also that under certain circumstances the File::FcntlLock::Pure
and File::FcntlLock::Inline modules may not have been installed. This
happens on 32-bit systems that use 64-bit integers in their flock
structure but where the installed Perl version doesn't support the 'q'
format for its C<pack> and C<unpack> functions.

=head1 CREDITS

Thanks
 to Mark Jason Dominus and Benjamin Goldberg for helpful discussions,
code examples and encouragement. Glenn Herteg pointed out several problems
and also helped improve the documentation. Julian Moreno Patino helped
correcting the documentation and pointed out problems arising on GNU Hurd
which seems to have only very rudimentary support for locking with
L<fcntl(2)>. Niko Tyni and Guillem Jover encouraged and helped with
implementing alternatives to an XS-only approach which hopefully will
make the module more useful under certain circumstances.

=head1 AUTHOR

Jens Thoms Toerring <jt@toerring.de>

=head1 SEE ALSO

L<perl(1)>, L<fcntl(2)>, L<lseek(2)>.

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File::FcntlLock
===============

File::FcntlLock is a module to do file locking in an object oriented
fashion using the fcntl(2) system call. This allows locks on parts of
a file as well as on the whole file and overcomes some known problems
with flock(2), on which Perls flock() function is based per default.

Since version 0.15 there three slightly different ways this can be done
with using this package. Per default a method is used where a shared
library build creation of the package is called from the Perl code to
invoke the fcntl(2) system function. This method can also be used by
employing the File::FcntlLock::XS module (which basically an alias for
File::FcntlLock). Two further methods instead use calls of the Perl
fcntl() function. In both cases at some time a C program must be run
to determine the binary layout of the C flock struct used by fcntl()
for locking. For the one package, File::FcntlLock::Pure, this
is done
while making the package. For the other, File::FcntlLock::Inline, this
happens each time the package is loaded (e.g. wih the 'use' function).
Of course, for this to work a C compiler must be installed on the
system!

Unfortunately, there seem to be a few 32-bit systems where the off_t
type, used in the flock struct, is a 64-bit integer but which use a
Perl version that hasn't 64-bit support enabled. On these systems the

'q' format for Perl's pack() and unpack() function isn't available and thus a "pure Perl" approach is thus not possible. On such systems the File::FcntlLock::Pure and File::FcntlLock::Inline modules won't get installed.

PORTABILITY

To use the module the system must support the fcntl() system call which probably will restrict its use to POSIX compliant systems.

INSTALLATION

To install this module type the following:

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

DEPENDENCIES

The module requires the following other modules:

```
POSIX, Errno, Carp,
Exporter, DynaLoader
```

To install the module(s) a C compiler must be available and the system must support the use of shared libraries (or DLLs). For File::FcntlFlock::Inline the C compiler must also be available when the module is used. The installation of the File::FcntlLock::Pure and File::FcntlLock::Inline modules require that the Perl pack() and unpack() function support the 'q' format if the off_t type on the system is 64-bit wide.

ACKNOWLEDGMENTS

Thanks to Mark Jason Dominus and Benjamin Goldberg for helpful discussions, code examples and encouragement. Glenn Herteg pointed out several problems and also helped improve the documentation. Julian Moreno Patino helped correcting the documentation and pointed out problems arising on GNU Hurd (which seems to have only very rudimentary support for locking with fcntl(2), at least at that time). Niko Tyni and Guillem Jover encouraged and helped with implementing alternatives to a XS-only approach which hopefully will make the module

more useful under certain
circumstances.

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1.206 libalgorithm-diff-xs-perl 0.04-5

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1.207 libxi 1.7.9-1

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1.215 e2fsprogs 1.44.1-1ubuntu1.3

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Index: tdbsa/tdb.c
===
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

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

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image:  $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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libet and libss libraries for more information.

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Theodore Ts'o
23-June-2007

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#
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means that e.g. `FTL.TXT' matches all files that have this string in
the file name (including the path relative to the current directory,
always starting with `./').
#
Don't put empty lines into this file!
#
.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
#
#

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* /reflection-0-9-12-sources-jar/com/nu/art/reflection/injector/AnnotatbleInjector.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/utils/ClassInstantiationUtility.java
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* /reflection-0-9-12-sources-jar/com/nu/art/reflection/injector/InjectionManager.java

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* /reflection-0-9-12-sources-jar/com/nu/art/reflection/exceptions/ConstructorNotFoundException.java
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* /reflection-0-9-12-sources-jar/com/nu/art/reflection/hierarchy/TypeHierarchy.java
*
/reflection-0-9-12-sources-jar/com/nu/art/reflection/extractor/ExtractionManager.java
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* /reflection-0-9-12-sources-jar/com/nu/art/reflection/exceptions/ClassInstantiationException.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/classLoader/ClassLoaderManager.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/tools/ReflectiveTools.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/classLoader/ClassesLoader.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/tools/BidirectionalAction.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/tools/BidirectionalActionImpl.java
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* /reflection-0-9-12-sources-jar/com/nu/art/reflection/exceptions/WrongParameterType.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/classLoader/AbsClassLoader.java
*
/reflection-0-9-12-sources-jar/com/nu/art/reflection/tools/ART_Tools.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/utils/MethodInvocationUtility.java
* /reflection-0-9-12-sources-jar/com/nu/art/reflection/extractor/Extractor.java

1.226 slf4j 1.7.30

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1.231 grpc-gateway 1.9.5

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1.232 cmux 0.1.4

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1.233 btree 1.0.0

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1.234 go-grpc-prometheus 1.2.0

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1.235 go-runewidth 0.0.2

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#
Use the following command to generate the list
#
git shortlog -se | awk '{print $2 " " $3 " " $4}'
#
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compiler/cpp/src/thrifty.yy
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lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
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test/OptionalRequiredTest.thrift
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Protocol Buffers for Go with Gadgets

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

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1.240 commons-lang3 3.8.1

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

specified materials from the same place.

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

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distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

@heading TERMS AND CONDITIONS

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@item Definitions.

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

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

``The Program'' refers to any copyrightable work licensed under this License. Each licensee is addressed as ``you''. ``Licensees'' and ``recipients'' may be individuals or organizations.

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

A ``covered work'' means either the unmodified Program or a work based on the Program.

To ``propagate'' a work means to do anything with it that, without permission, would make you directly or secondarily liable
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infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

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

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this criterion.

@item Source Code.

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

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

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

The ``Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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You may convey a work based on the Program, or the modifications
to
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@enumerate a
@item
The work must carry prominent notices stating that you modified it, and giving a relevant date.

@item
The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to ``keep intact all notices".

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@item
If the work has interactive user interfaces, each must display Appropriate
Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
@end enumerate

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

@enumerate

a
@item
Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium customarily
used for software interchange.

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

@item
Convey individual copies of the object code with a copy of the written
offer
to provide the Corresponding Source. This alternative is
allowed only occasionally and noncommercially, and only if you
received the object code with such an offer, in accord with subsection
6b.

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

@item
Convey the object
code using peer-to-peer transmission, provided you
inform other peers where the object code and Corresponding Source of
the work are being offered to the general public at no charge under
subsection 6d.

@end enumerate

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

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a
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@item
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offer

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6b.

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@item
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DRuntime: Runtime Library for the D Programming Language
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1.244 thrift 0.13.0

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1.245 json-c 0.12.1-1.3ubuntu0.3

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1.246 pb 1.0.25

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1.247 uitable 0.0.4

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1.248 tablewriter 0.0.0-20170122224234-a0225b3f23b5

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1.249 xiang90-probing 0.0.0-20190116061207-43a291ad63a2

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1.250 go-humanize 0.0.0-20171111073723-bb3d318650d4

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1.251 gopsutil 2.20.5+incompatible

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1.252 error_prone_annotations 2.3.4

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* /error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/DoNotMock.java
* /error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/CompatibleWith.java
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* /error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/FormatMethod.java

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1.256 go-runewidth 0.0.9

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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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1.263 xz 5.2.2-1.3

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Upstream-Contact:
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Source:
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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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1.264 hibernate-validator 5.4.3.Final

1.264.1 Available under license :

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```
/*
* Hibernate Validator, declare and validate application constraints
*
* License: Apache License, Version 2.0
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*/
/**
* <p>
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* </p>
* <p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* {@link javax.validation.ParameterNameProvider}. By default, {@code arg0}, {@code arg1}
 etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
*
* @author Gunnar Morling
*/

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* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/provider/package.html
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* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/aggregated/package.html
* /hibernate-validator-5-4-3-final-sources-2-jar/META-INF/validation-mapping-1.0.xsd
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* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/raw/package.html
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/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/resolver/package.html
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* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArray.java
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/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/valuehandling/package-info.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/VoidMethodsMustNotBeReturnValueConstrained.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/descriptor/ExecutableDescriptorImpl.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/SetContextClassLoader.java
* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/HibernateValidatorFactory.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/resourceloading/CachingResourceBundleLocator.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/MethodValidationConfiguration.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/resourceloading/DelegatingResourceBundleLocator.java
*
/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForCollection.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/NewSchema.java
* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/defs/MinDef.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfShort.java
* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/constraints/CreditCardNumber.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForReadablePartial.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredField.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForReadablePartial.java
*
/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/ReturnValueConstraintMappingContext.java
* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/defs/NotNullDef.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/resolver/CachingTraversableResolverForSingleValidation.java
* /hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/ParameterScriptAssertValidator.java

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/**
  * Retrieves constraint related meta data for the parameters of the given
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  *
  * @param executable The executable of interest.
  *
  * @return A list with parameter meta data for the given executable.
  */

Found in path(s):
* /hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

1.265 libbsd 0.8.7-1ubuntu0.1

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man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
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1.267 netcat 1.10-41.1

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1.268 libpcap 1.8.1-6ubuntu1.18.04.2

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1.270 log4j-over-slf4j 1.7.30

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```

Found in path(s):
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* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/LoggerFactory.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/NDC.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Appender.java
*
/log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/BasicConfigurator.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/ConsoleAppender.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/LoggerRepository.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Layout.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/WriterAppender.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/xml/DOMConfigurator.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/SimpleLayout.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/LoggingEvent.java

* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/RollingFileAppender.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/HierarchyEventListener.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/PatternLayout.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Logger.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Level.java
*
/log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Category.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Priority.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/ErrorHandler.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/OptionHandler.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/FileAppender.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/LogManager.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/AppenderSkeleton.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/helpers/LogLog.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/PropertyConfigurator.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/Log4jLoggerFactory.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/MDC.java
* /log4j-over-slf4j-1-7-30-sources-1-jar/org/apache/log4j/spi/Filter.java
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* /log4j-over-slf4j-1-7-30-sources-1-jar/META-INF/maven/org.slf4j/log4j-over-slf4j/pom.xml

1.271 bouncycastle-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):
* /bcpkix-fips-1-0-3-sources-jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

1.272 fdisk 2.31.1

1.272.1 Available under license :

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1.273 snake-yaml 1.27

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1.274 jctools-core 3.1.0

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   </additionalOptions>
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</build>

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 </repository>
</distributionManagement>

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

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

<developers>
 <developer>
```

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

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 <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):
* /jctools-core-3-1-0-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml
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* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpscUnboundedAtomicArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/SpmcAtomicArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/MessagePassingQueueUtil.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
*
 /jctools-core-3-1-0-sources-jar/org/jctools/util/UnsafeJvmInfo.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/SpscLinkedQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/spec/Preference.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/MessagePassingQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/SupportsIterator.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/MpscGrowableArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/BaseSpscLinkedAtomicArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/atomic/AtomicQueueFactory.java
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* /jctools-core-3-1-0-sources-jar/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /jctools-core-3-1-0-sources-jar/org/jctools/util/UnsafeLongArrayAccess.java
* /jctools-core-3-1-0-sources-jar/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
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* /jctools-core-3-1-0-sources-jar/org/jctools/queues/BaseSpscLinkedArrayQueue.java

1.275 nghttp2 1.30.0-1ubuntu1

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set style fill solid border -1
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1.276 java-common 0.68ubuntu1~18.04.1

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Upstream-Name: Java Common
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1.277 procps 3.3.12-3ubuntu1.1

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The reason we have a separate public license for some libraries is that
they blur the distinction we usually make between modifying or adding to a
program and simply using it. Linking a program with a library, without
changing the library, is in some sense simply using the library, and is
analogous to running a utility program or application program. However, in

a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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That's all there is to it!

1.278 commons-lang3 3.1

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1.279 logrus 1.7.0

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1.280 properties 1.8.4

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1.282 go-toml 1.8.1

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1.283 libyaml 0.2.5

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1.285 google-uuid 1.0.0

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1.286 wheel 0.30.0

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1.288 pyasn1 0.4.8

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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
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Description: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
Platform: any
Classifier: Development Status :: 5 - Production/Stable
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1.293 error_prone_annotations 2.1.3

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* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
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 /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/concurrent/LazyInit.java
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* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/CompileTimeConstant.java
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* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/CompatibleWith.java
*
 /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/FormatMethod.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/FormatString.java
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1.294 queue 1.1.0

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Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
 * 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/@WBRSRlBZDhBFXQB6/>
 * Code review, PEP8 compliance, benchmark fix

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

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

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

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

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
 * 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 <http://dbrgn.ch/>
 * Disabled TLS compression by default on Python 3.2+
 * Disabled TLS compression in pyopenssl contrib module
 * Configurable cipher suites in pyopenssl contrib module

* 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 <http://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

* Benjamen 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

* Jon Wayne Parrott <jonwayne@google.com>
 * App Engine environment tests.

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

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

* James
 Atherfold <jlatherfold@hotmail.com>
 * 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

* Jesse 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

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

1.298 guava 30.1-jre

1.298.1 Available under license :

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  * This method was written by Doug Lea with assistance from members of JCP JSR-166 Expert Group
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  *
  * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
  * java.util.HashMap
 class.
  */

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*/
/*
  * This following method is a modified version of one found in
  * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
  * which contained the following notice:
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* /guava-30-1-jre-sources-1-jar/com/google/common/hash/HashingInputStream.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/VerifyException.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Runnables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Verify.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/FilteredMultimapValues.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/CharSequenceReader.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Utf8.java

* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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/**
  * Returns an array containing all of the elements in the specified collection. This method
  * returns the elements in the order they are returned by the collection's iterator. The returned
  * array is "safe" in that no references to it are maintained by the collection. The caller is
  * thus free to modify the returned
 array.
  *
  * <p>This method assumes that the collection size doesn't change while the method is running.
  *
```

```
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */
```

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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/IndexedImmutableSet.java
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*/
/**
* Holder for web specializations of methods of {@code Floats}. Intended to be empty for regular
* version.
*/
```

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* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/UnsignedBytes.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/HostSpecifier.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/JdkFutureAdapters.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/SignedBytes.java
* /guava-30-1-jre-sources-1-jar/com/google/common/annotations/GwtIncompatible.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/net/UrlEscapers.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/ReferenceEntry.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/MapMakerInternalMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeResolver.java
* /guava-30-1-jre-sources-1-jar/com/google/common/escape/Platform.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/MapMaker.java
* /guava-30-1-jre-sources-1-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
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 /guava-30-1-jre-sources-1-jar/com/google/common/collect/Cut.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SettableFuture.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Service.java
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*

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* /guava-30-1-jre-sources-1-jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/InternetDomainName.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractService.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/MoreCollectors.java
*
/guava-30-1-jre-sources-1-jar/com/google/common/graph/ImmutableValueGraph.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/ElementOrder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/ValueGraphBuilder.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/GraphConstants.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/ForwardingGraph.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractNetwork.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/EdgesConnecting.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/GraphBuilder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/EndpointPairIterator.java

*
/guava-30-1-jre-sources-1-jar/com/google/common/graph/ForwardingValueGraph.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractValueGraph.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/DirectedNetworkConnections.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/StandardMutableNetwork.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/ValueGraph.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/StandardMutableValueGraph.java
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/guava-30-1-jre-sources-1-jar/com/google/common/graph/MultiEdgesConnecting.java
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jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/StandardValueGraph.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/DirectedGraphConnections.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/MapRetrievalCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/GraphConnections.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractGraphBuilder.java
*
/guava-30-1-jre-sources-1-jar/com/google/common/graph/NetworkBuilder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/MapIteratorCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
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* /guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Serialization.java
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/guava-30-1-jre-sources-1-jar/com/google/common/collect/StandardTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableListMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/PeekingIterator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SingletonImmutableBiMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableBiMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableBiMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSortedSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMapValues.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Collections2.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMapEntrySet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableCollection.java
*
/guava-30-1-jre-sources-1-jar/com/google/common/collect/Table.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/CollectPreconditions.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/HashBasedTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMultimap.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AggregateFuture.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeLimiter.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractTransformFuture.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/base/CaseFormat.java
* /guava-30-1-jre-sources-1-jar/com/google/common/escape/CharEscaper.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/PatternFilenameFilter.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/escape/CharEscaperBuilder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ImmediateFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/GeneralRange.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingSortedMultiset.java
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 /guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedIterable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RangeSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractRangeSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Count.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedIterables.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/hash/ImmutableSupplier.java
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*/
/**
* Holder for web specializations of methods of {@code Doubles}. Intended to be empty for regular
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*/
```

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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/TransformedListIterator.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedMultisetBridge.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingNavigableMap.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractHashFunction.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/Graphs.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /guava-30-1-jre-sources-1-jar/com/google/common/graph/Graph.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/RecursiveDeleteOption.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Iterables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/TreeMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/NaturalOrdering.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Lists.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ExplicitOrdering.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/LinkedHashMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ArrayListMultimap.java

* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingList.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ByFunctionOrdering.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingMultimap.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/collect/ListMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ReverseOrdering.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SetMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractMapEntry.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/LexicographicalOrdering.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/LinkedHashMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/HashMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingCollection.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ClassToInstanceMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Maps.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingSortedSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingObject.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/collect/MapDifference.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/cache/Weigher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/CacheStats.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/Hashing.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/AbstractLoadingCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/package-info.java

* /guava-30-1-jre-sources-1-jar/com/google/common/cache/ForwardingLoadingCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/CacheBuilderSpec.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Optional.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Ticker.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Present.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/UnsignedInteger.java
*
/guava-30-1-jre-sources-1-jar/com/google/common/hash/Murmur3_32HashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/PrimitiveSink.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/BoundType.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractHasher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/RemovalListeners.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/UnsignedLong.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/Types.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeParameter.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/PairwiseEquivalence.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
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/guava-30-1-jre-sources-1-jar/com/google/common/collect/TreeRangeSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularContiguousSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Absent.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/RemovalNotification.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/Hasher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/HashCode.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/MediaType.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractStreamingHasher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/Crc32cHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Uninterruptibles.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/HostAndPort.java
*
/guava-30-1-jre-sources-1-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Enums.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/MathPreconditions.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/MessageDigestHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/UnsignedLongs.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/RemovalListener.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/HttpHeaders.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/RemovalCause.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/FunctionalEquivalence.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AsyncFunction.java
*

/guava-30-1-jre-sources-1-jar/com/google/common/cache/Cache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/BloomFilterStrategies.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/BigIntegerMath.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/AbstractCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionError.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/IntMath.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/HashingOutputStream.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/EmptyContiguousSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/DoubleMath.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/Funnels.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/CacheLoader.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/Funnel.java
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/guava-30-1-jre-sources-1-jar/com/google/common/cache/ForwardingCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Queues.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/LongMath.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/DoubleUtils.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractSortedMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/LoadingCache.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/ParseRequest.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/FutureCallback.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/BloomFilter.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/HashFunction.java
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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler
wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT

* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/ToDoubleRounder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/BigDecimalMath.java
*
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
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/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableAsList.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ArrayTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/TableCollectors.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableEnumSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableSortedSet.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSortedMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SingletonImmutableList.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SingletonImmutableTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSetMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ComparisonChain.java
*
/guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableList.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractIndexedListIterator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
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*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
* version.
*/

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*/
/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractSequentialIterator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingListMultimap.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/collect/RowSortedTable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ForwardingImmutableCollection.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/UnmodifiableListIterator.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/graph/Traverser.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ClosingFuture.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/base/MoreObjects.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListenerCallQueue.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/math/Quantiles.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/Subscriber.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/base/Throwables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/AsyncEventBus.java
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 /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Primitives.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizableWeakReference.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionList.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/DeadEvent.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/Files.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/package-info.java

* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/LineReader.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Predicate.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Preconditions.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizableSoftReference.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizableReferenceQueue.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Objects.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Charsets.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/Subscribe.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/MultiInputStream.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/Flushables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Supplier.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizableReference.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/Interners.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/Closeables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/EventBus.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizablePhantomReference.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/LineBuffer.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/base/Suppliers.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/DirectExecutor.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/EnumMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/HashBiMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/LittleEndianDataInputStream.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Defaults.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/CountingOutputStream.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListenableFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/AbstractIterator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Functions.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/CountingInputStream.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/CharStreams.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/ByteStreams.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/base/CommonMatcher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/CommonPattern.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/JdkPattern.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/hash/FarmHashFingerprint64.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/ReaderInputStream.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/hash/MacHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ConsumingQueueIterator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/CombinedFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Platform.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
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*/
/**
* Holder for web specializations of methods of {@code Ints}. Intended to be empty for regular
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*/

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*/
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*/

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* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Doubles.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SequentialExecutor.java
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 /guava-30-1-jre-sources-1-jar/com/google/common/base/CharMatcher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/FluentIterable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Booleans.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Chars.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/PercentEscaper.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Joiner.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Floats.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /guava-30-1-jre-sources-1-jar/com/google/common/escape/UnicodeEscaper.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Bytes.java
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 /guava-30-1-jre-sources-1-jar/com/google/common/primitives/Ints.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/internal/Finalizer.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/InetAddresses.java
* /guava-30-1-jre-sources-1-jar/com/google/common/escape/Escaper.java
* /guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/TrieParser.java
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*/
/*
  * This method was rewritten in Java from an intermediate step of the Murmur hash function in
  * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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  */
```

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*/
/**
  * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
  * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
  * version.
  *
  * @throws UnsupportedOperationException always
  * @deprecated <b>Pass a key of type {@code Comparable}
 to use {@link
  *     ImmutableSortedMap#of(Comparable, Object)}.</b>
  */
```

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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Monitor.java
* /guava-30-1-jre-sources-1-jar/com/google/common/net/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedLists.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/base/Ascii.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Strings.java
* /guava-30-1-jre-sources-1-jar/com/google/common/annotations/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/primitives/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Atomics.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/Equivalence.java
* /guava-30-1-jre-sources-1-jar/com/google/common/annotations/Beta.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedMultiset.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedMultisets.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/collect/MultimapBuilder.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/MoreFiles.java
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* /guava-30-1-jre-sources-1-jar/com/google/common/io/CharSink.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/LongAddable.java

* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/collect/FilteredKeyMultimap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/Parameter.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/ByteSink.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/Closer.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/Stats.java
* /guava-30-1-jre-sources-1-jar/com/google/common/html/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/PairedStatsAccumulator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/Element.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/CharSource.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/math/StatsAccumulator.java
* /guava-30-1-jre-sources-1-jar/com/google/common/escape/package-info.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/SipHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeCapture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/LongAddable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/ByteSource.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/ChecksumHashFunction.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/Invokable.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/RateLimiter.java
* /guava-30-1-jre-sources-1-jar/com/google/common/base/StandardSystemProperty.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractByteHasher.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/AbstractInvocationHandler.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/BaseEncoding.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeToInstanceMap.java
*
 /guava-30-1-jre-sources-1-jar/com/google/common/math/PairedStats.java
* /guava-30-1-jre-sources-1-jar/com/google/common/cache/LongAddables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /guava-30-1-jre-sources-1-jar/com/google/common/hash/LongAddables.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/CartesianList.java
* /guava-30-1-jre-sources-1-jar/com/google/common/io/FileWriteMode.java
* /guava-30-1-jre-sources-1-jar/com/google/common/reflect/ClassPath.java
* /guava-30-1-jre-sources-1-jar/com/google/common/xml/package-info.java
* /guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableRangeMap.java
* /guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ServiceManager.java

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1.301 jackson-databind 2.9.10.8

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1.302 distro 1.0.1

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1.303 distlib 0.2.6

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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,
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distlib has started off using some of the code from distutil2.

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- Michael Mulich
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1.304 html5lib 0.999999999

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1.305 progress 1.2

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1.306 webencodings 0.5

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1.307 cyrus-sasl 2.1.27~101-g0780600+dfsg-3ubuntu2.3

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* Rob Earhart
* Rob Siemborski
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1.308 unzip 6.0-21ubuntu1.1

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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
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(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 decompresseion
core routines, previously put into the public domain). All these
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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(); re-
placement 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
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cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code
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```
  * 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)
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```

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```
  *  MacBinaryIII.h
  *
  *  Copyright 1997 Christopher Evans (cevans@poppybank.com)
  *
  *  Basic encoding and decoding of Macintosh files to the
  *  MacBinary III spec.
```

```
   * ------------------------------------------------------------------------
   * This source is copyrighted by Christopher Evans (cevans@poppybank.com)
   * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
   * homepage of Leonard Rosenthol  leonardr@netcom.com)
```

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```

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 contribu-
tions as useful as we have his.

Note that the third and fourth stipulations still apply to any com-
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The remaining code was written by many people associated with the

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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
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 The decompression core code for the deflate method (inflate.[ch],
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1.309 gopacket 1.1.19

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1.310 jackson-databind 2.10.5.1

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1.311 tar 1.29b-2ubuntu0.2

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1.312 file 5.32-2ubuntu0.4

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1.313 selinux 2.7-2build2

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1.314 libxau 1.0.8-1ubuntu1

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1.315 libtool 2.4.6-2

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* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/Util.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/HttpCodec.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/HttpHeaders.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Address.java
*
 /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http1/Http1Codec.java
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* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/annotations/EverythingIsNonNull.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/proxy/NullProxySelector.java
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* /okhttp-3-12-12-sources-1-jar/okhttp3/EventListener.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/publicsuffix/PublicSuffixDatabase.java
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* /okhttp-3-12-12-sources-1-jar/okhttp3/Interceptor.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/ConnectionSpec.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/ws/WebSocketReader.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/CertificatePinner.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/ws/WebSocketWriter.java
*
 /okhttp-3-12-12-sources-1-jar/okhttp3/internal/ws/WebSocketProtocol.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Callback.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Call.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Protocol.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Credentials.java

* /okhttp-3-12-12-sources-1-jar/okhttp3/FormBody.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Challenge.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/ResponseBody.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Header.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/RealResponseBody.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/TlsVersion.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/CacheRequest.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/PushObserver.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/RequestBody.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/CipherSuite.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/Version.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/platform/ConscryptPlatform.java
*
/okhttp-3-12-12-sources-1-jar/okhttp3/MultipartBody.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/Internal.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/RealCall.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/HttpMethod.java
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* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Hpack.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Handshake.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/ErrorCode.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/CacheStrategy.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Route.java
*
 /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/RequestLine.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/StatusLine.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Response.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Dispatcher.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/InternalCache.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/NamedRunnable.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/Request.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/connection/RouteDatabase.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Http2.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/MediaType.java
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* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/DiskLruCache.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Http2Writer.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Http2Connection.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Http2Stream.java
*
 /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/HttpDate.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/Http2Reader.java
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* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/ConnectionShutdownException.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/WebSocket.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/platform/Jdk9Platform.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/ws/RealWebSocket.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/CallServerInterceptor.java
*

/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/UnrepeatableRequestBody.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/WebSocketListener.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache2/FileOperator.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache2/Relay.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/platform/JdkWithJettyBootPlatform.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/platform/AndroidPlatform.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/TrustRootIndex.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/RetryAndFollowUpInterceptor.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http2/StreamResetException.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/BasicTrustRootIndex.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/tls/BasicCertificateChainCleaner.java
* /okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/RealInterceptorChain.java

1.321 audit 2.8.2-1ubuntu1.1

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1.328 redis-go 6.15.1

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1.330 gorilla-mux v1.7.2

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1.331 h2c master

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1.332 go-ldap-client v0.0.3

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1.335 golang v0.4.0

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1.336 go-errors-errors v1.0.2

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1.337 meld 1.0.2

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Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
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Beverly, Jamie
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Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
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Reid, Steve
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Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
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Wieringen, Marco van
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Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
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Castro, Felipe
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1.342 commons-lang3 2.6

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1.343 commons-logging 1.2

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1.344 bcel 2.7.2

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/*
* $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) {
          _xsltc.setMultiDocument(flag);
    }

    public void setCallsNodeset(boolean flag) {
```

```
        _xsltc.setCallsNodeset(flag);
    }

    public void setHasIdCall(boolean flag) {
        _xsltc.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
    : _xsltc.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.DESCENDANT);
  }
:}

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);
    }
      :};


AbbreviatedAbsoluteLocationPath ::= 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, "xsltc", "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):
* /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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```

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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/**
  * 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):
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/Version.java

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

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```

```
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* 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
*/
```

Found in path(s):
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/StopParseException.java
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/*
* $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\u113C\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):
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/xpath.lex
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
// Proprietary, built in functions
/** current function string (Proprietary). */

Found in path(s):
* /xalan-2-7-2-sources-jar/org/apache/xpath/compiler/Keywords.java
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* limitations under the License.
*/
// is found, then throw a special exception in order to terminate

Found in path(s):
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/TransformerFactoryImpl.java
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*/

Found in path(s):
* /xalan-2-7-2-sources-jar/org/apache/xalan/transformer/QueuedEvents.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XslAttribute.java
*
 /xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/NodeLocator.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToStream.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/MessageHandler.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/KeyIndex.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/ElemDesc.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemForEach.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/patterns/ContextMatchStepPattern.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_zh.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncBoolean.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/NodeSetType.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerHandlerImpl.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/When.java
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* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/EmptyFilter.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_sk.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_sl.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/KeyDeclaration.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/TestSeq.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/StringStack.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/extensions/ExtensionHandlerExsltFunction.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/Node.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/DTMDocument.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/cmdline/Transform.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_en.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/SortingIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/compiler/XPathParser.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/WriterToUTF8Buffered.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/NotCall.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/StringCall.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/lib/ExsltCommon.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/XConnection.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/functions/SecuritySupport.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_ja.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorExsltFunction.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_ko.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorUnknown.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathNamespaceImpl.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/operations/Mod.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/AbsolutePathPattern.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Variable.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/AttList.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/FilterExpr.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/ReverseAxesWalker.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/patterns/UnionPattern.java
* /xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_ja.java

* /xalan-2-7-2-sources-jar/org/apache/xpath/XPathContext.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Include.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemWithParam.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/CurrentNodeListFilter.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/MethodType.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/WhitespaceStrippingElementMatcher.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Attribute.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CopyOf.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/Attributes.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/MatchPatternIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/DupFilterIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/NodeIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/DecimalFormatting.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/XPathVisitor.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_ko.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/transformer/XalanTransformState.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemVariablePsuedo.java
*
/xalan-2-7-2-sources-jar/org/apache/xpath/axes/FilterExprIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessages_es.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_hu.java
* /xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_ru.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_pl.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/Expression.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/TransformStateSetter.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathEvaluatorImpl.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemExtensionCall.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/RTFIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/DTMNodeListBase.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/LocPathIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_pt_BR.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorInclude.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/ObjectPool.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Message.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/DTMNamedNodeMap.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xslt/ObjectFactory.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/XMLString.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemExtensionDecl.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/WrappedRuntimeException.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_de.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHMessages.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessages_ca.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/cmdline/SecuritySupport.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/LocalNameCall.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/extensions/SecuritySupport.java
*

/xalan-2-7-2-sources-jar/org/apache/xml/utils/BoolStack.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/FoundIndex.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/dom3/DOMStringListImpl.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_it.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncExtElementAvailable.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/DTMIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ArgumentList.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/objects/DTMXRTreeFrag.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/AncestorPattern.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/WalkingIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/EqualityExpr.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_en.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/ChildTestIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ForEach.java
*
/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_de.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/StringComparable.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Expression.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/XSLTVisitor.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/LiteralExpr.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ApplyImports.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/ConnectionPoolManager.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorAttributeSet.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/operations/Quo.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/NSInfo.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/extensions/ExtensionHandlerJavaClass.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/dom3/DOMConstants.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/ExpandedNameTable.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/QName.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/DTMManager.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/GenerateIdCall.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/QName.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/transformer/TransformSnapshot.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_ca.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/QueryParameter.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_es.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorOutputElem.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Param.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/AttributeValueTemplate.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/extensions/ObjectFactory.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_ru.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/SlotAllocator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Number.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_el.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/transformer/TransformerHandlerImpl.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/DOM2TO.java

* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/Stylesheet.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/VariableStack.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/DTMWSFilter.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/FilterExprIteratorSimple.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_zh_CN.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/MultiValuedNodeHeapIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_zh_TW.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemElement.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ConcatCall.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_de.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/transformer/ResultNameSpace.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorLRE.java
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_fr.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/ObjectFactory.java
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_ja_JP_A.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/operations/Gt.java
* /xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_fr.java
* /xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_cs.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/DTMConfigurationException.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/DTMNodeList.java
* /xalan-2-7-2-sources-jar/org/apache/xml/dtm/Axis.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/XUnresolvedVariable.java
* /xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncFalse.java
*
/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/SecuritySupport.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_sl.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/AbsoluteIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/CurrentNodeListIterator.java
* /xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/IllegalCharException.java
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* /xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
*
 /xalan-2-7-2-sources-jar/org/apache/xalan/transformer/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/processor/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/domapi/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/templates/package.html
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/extensions/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/operations/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/compiler/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/patterns/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html
* /xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
* /xalan-2-7-2-sources-jar/org/apache/xml/utils/package.html
*
 /xalan-2-7-2-sources-jar/org/apache/xpath/objects/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/axes/package.html
* /xalan-2-7-2-sources-jar/org/apache/xpath/res/package.html
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*/
/*
* $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>"<B>Serializer</B> <B>Java</B> v.r[.dd| <B>D</B>nn]"</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
 *         compeleted, 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;
  }
}
}
```

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* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.src
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```
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*/

Found in path(s):
* /xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java
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*/
// Proprietary
/** The 'document-location()' id (Proprietary). */

Found in path(s):
* /xalan-2-7-2-sources-jar/org/apache/xpath/compiler/FunctionTable.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
 *         compeleted, 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));

}
```

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*/
// Attribution to: "Voytenko, Dimitry" <DVoytenko@SECTORBASE.COM>

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* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/output_unknown.properties
* /xalan-2-7-2-sources-jar/org/apache/xml/serializer/HTMLEntities.properties
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*/
/**
* Execute the proprietary document-location() function, which returns
* a node set of documents.
* @xsl.usage advanced

```
 */
```

Found in path(s):
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*/
/*
* $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>nn]"</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
 *          compeleted, 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):
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1.345 commons-cli 1.4

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jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyAccessorFactory.java
* /spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/support/MergedBeanDefinitionPostProcessor.java
*
 /spring-beans-3-2-17-release-sources-2-
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jar/org/springframework/beans/factory/access/el/SimpleSpringBeanELResolver.java
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jar/org/springframework/beans/factory/parsing/CompositeComponentDefinition.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/PropertiesFactoryBean.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/annotation/BeanFactoryAnnotationUtils.java
*
 /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/PropertyPlaceholderConfigurer.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/Aware.java
*
 /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
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jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
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 /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/TypeConverter.java
* /spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/config/PlaceholderConfigurerSupport.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/support/ResourceEditorRegistrar.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/ServiceLocatorFactoryBean.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/ExtendedBeanInfoFactory.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/access/BeanFactoryReference.java
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 /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/AutowireUtils.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/BeanInfoFactory.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/SimpleTypeConverter.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/NoUniqueBeanDefinitionException.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/RootBeanDefinition.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/LookupOverride.java
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 /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/SimpleConstructorNamespaceHandler.java

* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/BeanUtils.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyMatches.java
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/ExtendedBeanInfo.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/MutablePropertyValues.java
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/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/AbstractBeanDefinition.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/MethodOverride.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/TypeConverterDelegate.java
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/BeanWrapperImpl.java
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/BeanFactory.java
*
/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/xml/DefaultBeanDefinitionDocumentReader.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/AbstractBeanFactory.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/ConfigurablePropertyAccessor.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/NamespaceHandlerSupport.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/ParserContext.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
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jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/propertyeditors/InputStreamEditor.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/ManagedProperties.java
* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/parsing/Location.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyAccessorUtils.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/ConversionNotSupportedException.java
* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/parsing/SourceExtractor.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/InvalidPropertyException.java
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyValue.java

* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/access/BootstrapException.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/AutowireCapableBeanFactory.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/RuntimeBeanReference.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/BeanInstantiationException.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/propertyeditors/ClassEditor.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/support/BeanDefinitionDefaults.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/access/BeanFactoryLocator.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyValues.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/config/Scope.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/TypeConverterSupport.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/SimplePropertyNamespaceHandler.java

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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/NullValueInNestedPathException.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/propertyeditors/InputSourceEditor.java
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/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/support/AutowireCandidateResolver.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/DisposableBean.java
* /spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
* /spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/support/AutowireCandidateQualifier.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/BeanMetadataElement.java
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyEditorRegistrar.java
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* /spring-beans-3-2-17-release-sources-2-
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* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/SmartFactoryBean.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/TypeMismatchException.java
* /spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/Mergeable.java
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1.349 commons-codec 1.11

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1.350 jul-to-slf4j 1.7.30

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1.351 audience-annotations 0.5.0

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* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/ClassMemberValue.java
*
 /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/Annotation.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/MemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/MemberValueVisitor.java
*
 /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/CharMemberValue.java
* /javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/annotation/LongMemberValue.java

1.353 inf 0.9.1

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1.354 commons-lang3 3.11

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1.355 jakarta-annotation-api 1.3.5

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Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/common-annotations-api

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* /javassist-3-27-0-ga-sources-1-jar/javassist/expr/MethodCall.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/SerialVersionUID.java

* /javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformBefore.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/runtime/Cflow.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/convert/Transformer.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/AnnotationsAttribute.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/DuplicateMemberException.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/MethodFilter.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/MultiArrayType.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/tools/reflect/Metaobject.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/stackmap/MapMaker.java
*
 /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/JvstTypeChecker.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformReadField.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/Loader.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/StackMapTable.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/ClassPoolTail.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/ClassPath.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/util/HotSwapper.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/Javac.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/ControlFlow.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/Opcode.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/Executor.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/tools/web/Webserver.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/LongVector.java
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 /javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/CastExpr.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/DeprecatedAttribute.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/CtClass.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/Translator.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/tools/rmi/Sample.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/CodeAttribute.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/expr/NewArray.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/ClassClassPath.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/IntConst.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/MethodHandler.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformNew.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/expr/Cast.java
*
 /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/NoFieldException.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/SyntaxError.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/TokenId.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/util/proxy/RuntimeSupport.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/compiler/ast/Pair.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/convert/TransformWriteField.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/CtNewConstructor.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/ConstPool.java

* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/analysis/MultiType.java
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* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/ByteMemberValue.java
*
 /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/StringMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/LongMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/CharMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/Annotation.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/ShortMemberValue.java
*
 /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /javassist-3-27-0-ga-sources-1-jar/javassist/bytecode/annotation/DoubleMemberValue.java

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Other developers who have contributed code are:

* Brian Langel

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1.359 zap 1.10.0

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* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/LogFactory.java
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SLF4JLogFactory.java
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/LogConfigurationException.java
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/Log.java
*

/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SimpleLog.java
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/NoOpLog.java
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SLF4JLocationAwareLog.java
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/impl/SLF4JLog.java
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Found in path(s):
* /jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/package.html

1.363 jakarta-validation-api 2.0.2

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~
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<![CDATA[
Comments to: bean-validation-dev@eclipse.org.
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Found in path(s):
* /jakarta-validation-api-2-0-2-sources-3-jar/META-INF/maven/jakarta.validation/jakarta.validation-api/pom.xml
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*
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*/

Found in path(s):
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Validator.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/CascadableDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintTarget.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/FutureOrPresent.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Null.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidatorContext.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ExecutableDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/groups/Default.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/MessageInterpolator.java
*
 /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/Unwrapping.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/ValueExtractor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraintvalidation/ValidationTarget.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/MethodDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/UnexpectedTypeException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/BeanDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Digits.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java
*
 /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/UnwrapByDefault.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NegativeOrZero.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintViolation.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintDefinitionException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ValidateUnwrappedValue.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraintvalidation/SupportedValidationTarget.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/groups/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/ValidationProvider.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ElementKind.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/GroupConversionDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/ExtractedValue.java
*
 /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/bootstrap/GenericBootstrap.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/MethodType.java
* /jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/ValueExtractorDeclarationException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ConstructorDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraintvalidation/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/AssertTrue.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Path.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/executable/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/PositiveOrZero.java

*
 /jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/valueextraction/ValueExtractorDefinitionException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/BootstrapConfiguration.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ElementDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ContainerElementTypeDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/GroupDefinitionException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Min.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/groups/ConvertGroup.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/Scope.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Max.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ReportAsSingleViolation.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ReturnValueDescriptor.java
*
 /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ParameterNameProvider.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Pattern.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/NoProviderFoundException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Validation.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidatorContext.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NotBlank.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Constraint.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Valid.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/CrossParameterDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ClockProvider.java
*
 /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Configuration.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/executable/ValidateOnExecution.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Size.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/PastOrPresent.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintViolationException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/bootstrap/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/TraversableResolver.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/executable/ExecutableValidator.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidationProviderResolver.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidatorFactory.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ContainerDescriptor.java
*
 /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ConstraintDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ParameterDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NotNull.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/package-info.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/GroupSequence.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Negative.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidatorFactory.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidationException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/OverridesAttribute.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/BootstrapState.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Email.java
*
/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintDeclarationException.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/PropertyDescriptor.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidator.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/executable/ExecutableType.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/AssertFalse.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Future.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/DecimalMax.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Positive.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NotEmpty.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/ConfigurationState.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Payload.java
*
/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/DecimalMin.java
* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Past.java

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1.365 jakarta-ws-rs-api 2.1.6

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Source Code

The project maintains the following source code repositories:

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

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JUnit (4.11)

* License: Common Public License 1.0

Mockito (2.16.0)

* Project: http://site.mockito.org
* Source: https://github.com/mockito/mockito/releases/tag/v2.16.0

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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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

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
 org.apache.tomcat:tomcat-jasper
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 org.apache.tomcat:tomcat-api
 org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.367 javax-ws-rs-api 2.0.1

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1.368 commons-lang3 3.7

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1.369 javax-ws-rs-api 2.0

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1.370 python 2.7.15~rc1-1

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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.

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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
2.2	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
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Source Code

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

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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 org.apache.tomcat:tomcat-jasper
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 org.apache.tomcat:tomcat-jasper-el
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org.eclipse.jetty.toolchain:jetty-schemas

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* https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck
* https://github.com/eclipse-ee4j/glassfish-jsftemplating
* https://github.com/eclipse-ee4j/glassfish-hk2-extra
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1.386 resourcelocator 1.0.3

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1.387 jakarta-inject 2.6.1

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1.388 libalgorithm-diff-perl 1.19.03-1

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```
#!/usr/bin/perl -w
#
# `Diff' program in Perl
# Copyright 1998 M-J. Dominus. (mjd-perl-diff@plover.com)
#
# This program is free software; you can redistribute it and/or modify it
# under the same terms as Perl itself.
#
# Altered to output in `context diff' format (but without context)
# September 1998 Christian Murphy (cpm@muc.de)
#
# Command-line arguments and context lines feature added
# September 1998 Amir D. Karger (karger@bead.aecom.yu.edu)
#
# In this file, "item" usually means "line of text", and "item number" usually
# means "line number". But theoretically the code could be used more generally
use strict;

use Algorithm::Diff qw(diff);
use File::stat;
use vars qw ($opt_C $opt_c $opt_u $opt_U);
use Getopt::Std;

my $usage = << "ENDUSAGE";
```

```
Usage: $0 [{-c | -u}] [{-C | -U} lines] oldfile newfile
   -c will do a context diff with 3 lines of context
   -C will do a context diff with 'lines' lines of context
    -u will do a unified diff with 3 lines of context
   -U will do a unified diff with 'lines' lines of context
ENDUSAGE

getopts('U:C:cu') or bag("$usage");
bag("$usage") unless @ARGV == 2;
my ($file1, $file2) = @ARGV;
if (defined $opt_C || defined $opt_c) {
   $opt_c = ""; # -c on if -C given on command line
   $opt_u = undef;
} elsif (defined $opt_U || defined $opt_u) {
   $opt_u = ""; # -u on if -U given on command line
   $opt_c = undef;
} else {
   $opt_c = ""; # by default, do context diff, not old diff
}

my ($char1, $char2); # string to print before file names
my $Context_Lines; # lines of context to print
if (defined $opt_c) {
   $Context_Lines = defined $opt_C ? $opt_C : 3;
   $char1 = '*' x 3; $char2 = '-' x 3;
} elsif (defined $opt_u) {
   $Context_Lines = defined $opt_U ? $opt_U : 3;
   $char1 = '-' x 3; $char2 = '+' x 3;
}

# After we've read up to a certain point in each file, the number of items
# we've read from each file will differ by $FLD (could be 0)
my
 $File_Length_Difference = 0;

open (F1, $file1) or bag("Couldn't open $file1: $!");
open (F2, $file2) or bag("Couldn't open $file2: $!");
my (@f1, @f2);
chomp(@f1 = <F1>);
close F1;
chomp(@f2 = <F2>);
close F2;

# diff yields lots of pieces, each of which is basically a Block object
my $diffs = diff(\@f1, \@f2);
exit 0 unless @$diffs;

my $st = stat($file1);
```

```
print "$char1 $file1\t", scalar localtime($st->mtime), "\n";
$st = stat($file2);
print "$char2 $file2\t", scalar localtime($st->mtime), "\n";

my ($hunk,$oldhunk);
# Loop over hunks. If a hunk overlaps with the last hunk, join them.
# Otherwise, print out the old one.
foreach my $piece (@$diffs) {
  $hunk = new Hunk ($piece, $Context_Lines);
  next unless $oldhunk;

  if ($hunk->does_overlap($oldhunk)) {
 $hunk->prepend_hunk($oldhunk);
  } else {
 $oldhunk->output_diff(\@f1, \@f2);
  }

} continue {
  $oldhunk = $hunk;
}

# print the last hunk
$oldhunk->output_diff(\@f1, \@f2);
exit 1;
# END MAIN PROGRAM

sub bag {
 my
 $msg = shift;
 $msg .= "\n";
 warn $msg;
 exit 2;
}

# Package Hunk. A Hunk is a group of Blocks which overlap because of the
# context surrounding each block. (So if we're not using context, every
# hunk will contain one block.)
{
package Hunk;

sub new {
# Arg1 is output from &LCS::diff (which corresponds to one Block)
# Arg2 is the number of items (lines, e.g.,) of context around each block
#
# This subroutine changes $File_Length_Difference
#
# Fields in a Hunk:
# blocks      - a list of Block objects
```

```
# start       - index in file 1 where first block of the hunk starts
# end         - index in file 1 where last block of the hunk ends
#
# Variables:
# before_diff - how much longer file 2 is than file 1 due to all hunks
#               until but NOT including this one
# after_diff  - difference due to all hunks including this one
  my ($class, $piece, $context_items) = @_;

  my $block = new Block ($piece); # this modifies $FLD!

  my $before_diff = $File_Length_Difference;
 # BEFORE this hunk
  my $after_diff = $before_diff + $block->{"length_diff"};
  $File_Length_Difference += $block->{"length_diff"};

  # @remove_array and @insert_array hold the items to insert and remove
  # Save the start & beginning of each array. If the array doesn't exist
  # though (e.g., we're only adding items in this block), then figure
  # out the line number based on the line number of the other file and
  # the current difference in file lengths
  my @remove_array = $block->remove;
  my @insert_array = $block->insert;
  my ($a1, $a2, $b1, $b2, $start1, $start2, $end1, $end2);
  $a1 = @remove_array ? $remove_array[0 ]->{"item_no"} : -1;
  $a2 = @remove_array ? $remove_array[-1]->{"item_no"} : -1;
  $b1 = @insert_array ? $insert_array[0 ]->{"item_no"} : -1;
  $b2 = @insert_array ? $insert_array[-1]->{"item_no"} : -1;

  $start1 = $a1 == -1 ? $b1 - $before_diff : $a1;
  $end1   = $a2 == -1 ? $b2 - $after_diff  : $a2;
  $start2 = $b1 == -1 ?
 $a1 + $before_diff : $b1;
  $end2   = $b2 == -1 ? $a2 + $after_diff  : $b2;

  # At first, a hunk will have just one Block in it
  my $hunk = {
    "start1" => $start1,
    "start2" => $start2,
    "end1" => $end1,
    "end2" => $end2,
    "blocks" => [$block],
          };
  bless $hunk, $class;

  $hunk->flag_context($context_items);

  return $hunk;
```

```
}

# Change the "start" and "end" fields to note that context should be added
# to this hunk
sub flag_context {
  my ($hunk, $context_items) = @_;
  return unless $context_items; # no context

  # add context before
  my $start1 = $hunk->{"start1"};
  my $num_added = $context_items > $start1 ? $start1 : $context_items;
  $hunk->{"start1"} -= $num_added;
  $hunk->{"start2"} -= $num_added;

  # context after
  my $end1 = $hunk->{"end1"};
  $num_added = ($end1+$context_items > $#f1) ?
               $#f1 - $end1 :
               $context_items;
  $hunk->{"end1"} += $num_added;
  $hunk->{"end2"}
 += $num_added;
}

# Is there an overlap between hunk arg0 and old hunk arg1?
# Note: if end of old hunk is one less than beginning of second, they overlap
sub does_overlap {
  my ($hunk, $oldhunk) = @_;
  return "" unless $oldhunk; # first time through, $oldhunk is empty

  # Do I actually need to test both?
  return ($hunk->{"start1"} - $oldhunk->{"end1"} <= 1 ||
          $hunk->{"start2"} - $oldhunk->{"end2"} <= 1);
}

# Prepend hunk arg1 to hunk arg0
# Note that arg1 isn't updated! Only arg0 is.
sub prepend_hunk {
  my ($hunk, $oldhunk) = @_;

  $hunk->{"start1"} = $oldhunk->{"start1"};
  $hunk->{"start2"} = $oldhunk->{"start2"};

  unshift (@{$hunk->{"blocks"}}, @{$oldhunk->{"blocks"}});
}


# DIFF OUTPUT ROUTINES. THESE ROUTINES CONTAIN DIFF FORMATTING INFO...
```

```
sub output_diff {
  if    (defined $main::opt_u) {&output_unified_diff(@_)}
  elsif (defined $main::opt_c) {&output_context_diff(@_)}
  else {die "unknown diff"}
}

sub output_unified_diff {

 my ($hunk, $fileref1, $fileref2) = @_;
  my @blocklist;

  # Calculate item number range.
  my $range1 = $hunk->unified_range(1);
  my $range2 = $hunk->unified_range(2);
  print "@@ -$range1 +$range2 @@\n";

  # Outlist starts containing the hunk of file 1.
  # Removing an item just means putting a '-' in front of it.
  # Inserting an item requires getting it from file2 and splicing it in.
  #    We splice in $num_added items. Remove blocks use $num_added because
  # splicing changed the length of outlist.
  #    We remove $num_removed items. Insert blocks use $num_removed because
  # their item numbers---corresponding to positions in file *2*--- don't take
  # removed items into account.
  my $low = $hunk->{"start1"};
  my $hi = $hunk->{"end1"};
  my ($num_added, $num_removed) = (0,0);
  my @outlist = @$fileref1[$low..$hi];
  map {s/^/ /} @outlist; # assume it's just context

  foreach my $block (@{$hunk->{"blocks"}}) {
 foreach my $item ($block->remove)
 {
    my $op = $item->{"sign"}; # -
    my $offset = $item->{"item_no"} - $low + $num_added;
    $outlist[$offset] =~ s/^ /$op/;
    $num_removed++;
 }
 foreach my $item ($block->insert) {
    my $op = $item->{"sign"}; # +
    my $i = $item->{"item_no"};
    my $offset = $i - $hunk->{"start2"} + $num_removed;
    splice(@outlist,$offset,0,"$op$$fileref2[$i]");
    $num_added++;
 }
  }

  map {s/$/\n/} @outlist; # add \n's
```

```
  print @outlist;

}

sub output_context_diff {
  my ($hunk, $fileref1, $fileref2) = @_;
  my @blocklist;

  print "****************\n";
  # Calculate item number range.
  my $range1 = $hunk->context_range(1);
  my $range2 = $hunk->context_range(2);

  # Print out file 1 part for each block in context diff format if there are
  # any blocks that remove items
  print "*** $range1 ****\n";
  my $low = $hunk->{"start1"};
  my $hi  = $hunk->{"end1"};
  if (@blocklist = grep {$_->remove} @{$hunk->{"blocks"}}) {
 my @outlist =
 @$fileref1[$low..$hi];
 map {s/^/  /} @outlist; # assume it's just context
 foreach my $block (@blocklist) {
    my $op = $block->op; # - or !
    foreach my $item ($block->remove) {
  $outlist[$item->{"item_no"} - $low] =~ s/^ /$op/;
    }
 }
 map {s/$/\n/} @outlist; # add \n's
 print @outlist;
  }

  print "--- $range2 ----\n";
  $low = $hunk->{"start2"};
  $hi  = $hunk->{"end2"};
  if (@blocklist = grep {$_->insert} @{$hunk->{"blocks"}}) {
 my @outlist = @$fileref2[$low..$hi];
 map {s/^/  /} @outlist; # assume it's just context
 foreach my $block (@blocklist) {
    my $op = $block->op; # + or !
    foreach my $item ($block->insert) {
  $outlist[$item->{"item_no"} - $low] =~ s/^ /$op/;
    }
 }
 map {s/$/\n/} @outlist; # add \n's
 print @outlist;
  }
}
```

```
sub context_range {
# Generate a range of item numbers to print. Only print 1 number if the range
# has only one item in it. Otherwise, it's 'start,end'
  my ($hunk, $flag) = @_;
  my ($start, $end) = ($hunk->{"start$flag"},$hunk->{"end$flag"});
   $start++; $end++;  # index from 1, not zero
  my $range = ($start < $end) ? "$start,$end" : $end;
  return $range;
}

sub unified_range {
# Generate a range of item numbers to print for unified diff
# Print number where block starts, followed by number of lines in the block
# (don't print number of lines if it's 1)
  my ($hunk, $flag) = @_;
  my ($start, $end) = ($hunk->{"start$flag"},$hunk->{"end$flag"});
  $start++; $end++;  # index from 1, not zero
  my $length = $end - $start + 1;
  my $first = $length < 2 ? $end : $start; # strange, but correct...
  my $range = $length== 1 ? $first : "$first,$length";
  return $range;
}
} # end Package Hunk

# Package Block. A block is an operation removing, adding, or changing
# a group of items. Basically, this is just a list of changes, where each
# change adds or deletes a single item.
# (Change could be a separate class, but it didn't seem worth it)
{
package Block;
sub new {
# Input is
 a chunk from &Algorithm::LCS::diff
# Fields in a block:
# length_diff - how much longer file 2 is than file 1 due to this block
# Each change has:
# sign        - '+' for insert, '-' for remove
# item_no     - number of the item in the file (e.g., line number)
# We don't bother storing the text of the item
#
  my ($class,$chunk) = @_;
  my @changes = ();

# This just turns each change into a hash.
  foreach my $item (@$chunk) {
 my ($sign, $item_no, $text) = @$item;
 my $hashref = {"sign" => $sign, "item_no" => $item_no};
```

```
 push @changes, $hashref;
   }

   my $block = { "changes" => \@changes };
   bless $block, $class;

   $block->{"length_diff"} = $block->insert - $block->remove;
   return $block;
}


# LOW LEVEL FUNCTIONS
sub op {
# what kind of block is this?
   my $block = shift;
   my $insert = $block->insert;
   my $remove = $block->remove;

   $remove && $insert and return '!';
   $remove and return '-';
   $insert and return '+';
   warn "unknown block type";
    return '^'; # context block
}

# Returns a list of the changes in this block that remove items
# (or the number of removals if called in scalar context)
sub remove { return grep {$_->{"sign"} eq '-'} @{shift->{"changes"}}; }

# Returns a list of the changes in this block that insert items
sub insert { return grep {$_->{"sign"} eq '+'} @{shift->{"changes"}}; }

} # end of package Block
```

Found in path(s):
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```
#!/usr/bin/perl
#
# `Diff' program in Perl
# Copyright 1998 M-J. Dominus. (mjd-perl-diff@plover.com)
#
# This program is free software; you can redistribute it and/or modify it
# under the same terms as Perl itself.
#

use Algorithm::Diff qw(diff);
```

```
bag("Usage: $0 oldfile newfile") unless @ARGV == 2;

my ($file1, $file2) = @ARGV;

# -f $file1 or bag("$file1: not a regular file");
# -f $file2 or bag("$file2: not a regular file");

-T $file1 or bag("$file1: binary");
-T $file2 or bag("$file2: binary");

open (F1, $file1) or bag("Couldn't open $file1: $!");
open (F2, $file2) or bag("Couldn't open $file2: $!");
chomp(@f1 = <F1>);
close F1;
chomp(@f2 = <F2>);
close F2;

$diffs = diff(\@f1, \@f2);
exit 0 unless @$diffs;

foreach $chunk (@$diffs) {

 foreach $line (@$chunk) {
   my ($sign, $lineno, $text) = @$line;
   printf "%4d$sign %s\n", $lineno+1, $text;
 }
 print "--------\n";
}
exit 1;

sub bag {
 my $msg = shift;
  $msg .= "\n";
 warn $msg;
 exit 2;
}
```

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# under the same terms as Perl itself.
```

Found in path(s):
* /libalgorithm-diff-perl-1-19-03-orig-1-tar-gz/Algorithm-Diff-1.1903/diffnew.pl

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

=head1 NAME

Algorithm::Diff - Compute `intelligent' differences between two files / lists

=head1 SYNOPSIS

```
  require Algorithm::Diff;

  # This example produces traditional 'diff' output:

  my $diff = Algorithm::Diff->new( \@seq1, \@seq2 );

  $diff->Base( 1 );   # Return line numbers, not indices
  while(  $diff->Next()  ) {
     next   if  $diff->Same();
     my $sep = '';
     if(  ! $diff->Items(2)  ) {
        printf "%d,%dd%d\n",
           $diff->Get(qw( Min1 Max1 Max2 ));
     } elsif(  ! $diff->Items(1)  ) {
        printf "%da%d,%d\n",
           $diff->Get(qw( Max1 Min2 Max2 ));
     } else {
        $sep = "---\n";
        printf "%d,%dc%d,%d\n",
           $diff->Get(qw( Min1 Max1 Min2 Max2 ));
     }
     print "< $_"   for  $diff->Items(1);
     print $sep;
     print "> $_"   for  $diff->Items(2);
  }


  # Alternate interfaces:

   use Algorithm::Diff qw(
     LCS LCS_length LCSidx
     diff sdiff compact_diff
     traverse_sequences traverse_balanced );

  @lcs    = LCS( \@seq1, \@seq2 );
  $lcsref = LCS( \@seq1, \@seq2 );
  $count  = LCS_length( \@seq1, \@seq2 );

  ( $seq1idxref, $seq2idxref ) = LCSidx( \@seq1, \@seq2 );
```

```
  # Complicated interfaces:

  @diffs  = diff( \@seq1, \@seq2 );

  @sdiffs = sdiff( \@seq1, \@seq2 );

  @cdiffs = compact_diff( \@seq1, \@seq2 );

  traverse_sequences(
     \@seq1,
     \@seq2,
     {   MATCH     => \&callback1,
         DISCARD_A => \&callback2,
         DISCARD_B => \&callback3,
     },
     \&key_generator,
     @extra_args,
  );

  traverse_balanced(
     \@seq1,
     \@seq2,
     {   MATCH     => \&callback1,
         DISCARD_A => \&callback2,
         DISCARD_B => \&callback3,
         CHANGE    => \&callback4,
     },
     \&key_generator,
     @extra_args,
  );


=head1 INTRODUCTION

(by
 Mark-Jason Dominus)

I once read an article written by the authors of C<diff>; they said
that they worked very hard on the algorithm until they found the
right one.

I think what they ended up using (and I hope someone will correct me,
because I am not very confident about this) was the `longest common
subsequence' method.  In the LCS problem, you have two sequences of
items:

  a b c d f g h j q z
```

```
  a b c d e f g i j k r x y z
```

and you want to find the longest sequence of items that is present in
both original sequences in the same order. That is, you want to find
a new sequence I<S> which can be obtained from the first sequence by
deleting some items, and from the second sequence by deleting other
items. You also want I<S> to be as long as possible. In this case I<S>
is

```
  a b c d f g j z
```

From there it's only a small step to get diff-like output:

```
  e  h i  k  q r x y
  +  -+  +  -+ + +
```

This module solves the LCS problem. It also includes a canned
 function
to generate C<diff>-like output.

It might seem from the example above that the LCS of two sequences is
always pretty obvious, but that's not always the case, especially when
the two sequences have many repeated elements. For example, consider

```
  a x b y c z p d q
  a b c a x b y c z
```

A naive approach might start by matching up the C<a> and C<b> that
appear at the beginning of each sequence, like this:

```
  a x b y c       z p d q
  a   b   c a b y c z
```

This finds the common subsequence C<a b c z>. But actually, the LCS
is C<a x b y c z>:

```
       a x b y c z p d q
  a b c a x b y c z
```

or

```
  a      x b y c z p d q
  a b c a x b y c z
```

=head1 USAGE

(See also the README file and several example

scripts include with this module.)

This module now provides an object-oriented interface that uses less
memory and is easier to use than most of the previous procedural
interfaces. It also still provides several exportable functions. We'll
deal with these in ascending
 order of difficulty: C<LCS>,
C<LCS_length>, C<LCSidx>, OO interface, C<prepare>, C<diff>, C<sdiff>,
C<traverse_sequences>, and C<traverse_balanced>.

=head2 C<LCS>

Given references to two lists of items, LCS returns an array containing
their longest common subsequence. In scalar context, it returns a
reference to such a list.

```
  @lcs    = LCS( \@seq1, \@seq2 );
  $lcsref = LCS( \@seq1, \@seq2 );
```

C<LCS> may be passed an optional third parameter; this is a CODE
reference to a key generation function. See L</KEY GENERATION
FUNCTIONS>.

```
  @lcs    = LCS( \@seq1, \@seq2, \&keyGen, @args );
  $lcsref = LCS( \@seq1, \@seq2, \&keyGen, @args );
```

Additional parameters, if any, will be passed to the key generation
routine.

=head2 C<LCS_length>

This is just like C<LCS> except it only returns the length of the
longest common subsequence. This provides a performance gain of about
9% compared to C<LCS>.

=head2 C<LCSidx>

Like C<LCS> except it returns references to two arrays. The
 first array
contains the indices into @seq1 where the LCS items are located. The
second array contains the indices into @seq2 where the LCS items are located.

Therefore, the following three lists will contain the same values:

```
  my( $idx1, $idx2 ) = LCSidx( \@seq1, \@seq2 );
  my @list1 = @seq1[ @$idx1 ];
  my @list2 = @seq2[ @$idx2 ];
  my @list3 = LCS( \@seq1, \@seq2 );
```

=head2 C<new>

```
$diff = Algorithm::Diffs->new( \@seq1, \@seq2 );
$diff = Algorithm::Diffs->new( \@seq1, \@seq2, \%opts );
```

C<new> computes the smallest set of additions and deletions necessary
to turn the first sequence into the second and compactly records them
in the object.

You use the object to iterate over I<hunks>, where each hunk represents
a contiguous section of items which should be added, deleted, replaced,
or left unchanged.

=over 4

The following summary of all of the methods looks a lot like Perl code
but some of the symbols have different meanings:

```
[ ]   Encloses optional arguments
:     Is followed by the default value for an optional argument
|     Separates alternate return results
```

Method summary:

```
$obj      = Algorithm::Diff->new( \@seq1, \@seq2, [ \%opts ] );
$pos      = $obj->Next(  [ $count : 1 ] );
$revPos   = $obj->Prev(  [ $count : 1 ] );
$obj      = $obj->Reset( [ $pos : 0 ] );
$copy     = $obj->Copy(  [ $pos, [ $newBase ] ] );
$oldBase  = $obj->Base(  [ $newBase ] );
```

Note that all of the following methods C<die> if used on an object that
is "reset" (not currently pointing at any hunk).

```
$bits     = $obj->Diff(  );
@items|$cnt = $obj->Same(  );
@items|$cnt = $obj->Items( $seqNum );
@idxs |$cnt = $obj->Range( $seqNum, [ $base ] );
$minIdx   = $obj->Min(   $seqNum, [ $base ] );
$maxIdx   = $obj->Max(   $seqNum, [ $base ] );
@values   = $obj->Get(   @names );
```

Passing in C<undef> for an optional argument is always treated the same
as if no argument were passed in.

=item

C<Next>

```
  $pos = $diff->Next();    # Move forward 1 hunk
  $pos = $diff->Next( 2 ); # Move forward 2 hunks
  $pos = $diff->Next(-5);  # Move backward 5 hunks
```

C<Next> moves the object to point at the next hunk. The object starts out "reset", which means it isn't pointing at any hunk. If the object is reset, then C<Next()> moves to the first hunk.

C<Next> returns a true value iff the move didn't go past the last hunk. So C<Next(0)> will return true iff the object is not reset.

Actually, C<Next> returns the object's new position, which is a number between 1 and the number of hunks (inclusive), or returns a false value.

=item C<Prev>

C<Prev($N)> is almost identical to C<Next(-$N)>; it moves to the $Nth previous hunk. On a 'reset' object, C<Prev()> [and C<Next(-1)>] move to the last hunk.

The position returned by C<Prev> is relative to the I<end> of the hunks; -1 for the last hunk, -2 for the second-to-last, etc.

=item C<Reset>

```
  $diff->Reset();     # Reset the
object's position
  $diff->Reset($pos); # Move to the specified hunk
  $diff->Reset(1);    # Move to the first hunk
  $diff->Reset(-1);   # Move to the last hunk
```

C<Reset> returns the object, so, for example, you could use C<< $diff->Reset()->Next(-1) >> to get the number of hunks.

=item C<Copy>

```
  $copy = $diff->Copy( $newPos, $newBase );
```

C<Copy> returns a copy of the object. The copy and the original object share most of their data, so making copies takes very little memory. The copy maintains its own position (separate from the original), which is the main purpose of copies. It also maintains its own base.

By default, the copy's position starts out the same as the original object's position. But C<Copy> takes an optional first argument to set the new position, so the following three snippets are equivalent:

```
  $copy = $diff->Copy($pos);

  $copy = $diff->Copy();
  $copy->Reset($pos);

  $copy = $diff->Copy()->Reset($pos);
```

C<Copy> takes an optional second argument
 to set the base for
the copy. If you wish to change the base of the copy but leave
the position the same as in the original, here are two
equivalent ways:

```
  $copy = $diff->Copy();
  $copy->Base( 0 );

  $copy = $diff->Copy(undef,0);
```

Here are two equivalent way to get a "reset" copy:

```
  $copy = $diff->Copy(0);

  $copy = $diff->Copy()->Reset();
```

=item C<Diff>

```
  $bits = $obj->Diff();
```

C<Diff> returns a true value iff the current hunk contains items that are
different between the two sequences. It actually returns one of the
follow 4 values:

=over 4

=item 3

C<3==(1|2)>. This hunk contains items from @seq1 and the items
from @seq2 that should replace them. Both sequence 1 and 2
contain changed items so both the 1 and 2 bits are set.

=item 2

This hunk only contains items from @seq2 that should be inserted (not
items from @seq1). Only sequence 2 contains changed items so only the 2
bit is set.

=item 1

This hunk only contains items from @seq1 that should be deleted
 (not
items from @seq2). Only sequence 1 contains changed items so only the 1
bit is set.

=item 0

This means that the items in this hunk are the same in both sequences.
Neither sequence 1 nor 2 contain changed items so neither the 1 nor the
2 bits are set.

=back

=item C<Same>

C<Same> returns a true value iff the current hunk contains items that
are the same in both sequences. It actually returns the list of items
if they are the same or an empty list if they aren't. In a scalar
context, it returns the size of the list.

=item C<Items>

```
  $count = $diff->Items(2);
  @items = $diff->Items($seqNum);
```

C<Items> returns the (number of) items from the specified sequence that
are part of the current hunk.

If the current hunk contains only insertions, then
C<< $diff->Items(1) >> will return an empty list (0 in a scalar context).
If the current hunk contains only deletions, then C<< $diff->Items(2) >>
will return an empty list (0 in a scalar context).

If the hunk contains replacements,
 then both C<< $diff->Items(1) >> and
C<< $diff->Items(2) >> will return different, non-empty lists.

Otherwise, the hunk contains identical items and all of the following
will return the same lists:

```
  @items = $diff->Items(1);
  @items = $diff->Items(2);
  @items = $diff->Same();
```

=item C<Range>

```
  $count = $diff->Range( $seqNum );
```

```
  @indices = $diff->Range( $seqNum );
  @indices = $diff->Range( $seqNum, $base );
```

C<Range> is like C<Items> except that it returns a list of I<indices> to the items rather than the items themselves. By default, the index of the first item (in each sequence) is 0 but this can be changed by calling the C<Base> method. So, by default, the following two snippets return the same lists:

```
  @list = $diff->Items(2);
  @list = @seq2[ $diff->Range(2) ];
```

You can also specify the base to use as the second argument. So the following two snippets I<always> return the same lists:

```
  @list = $diff->Items(1);
  @list = @seq1[ $diff->Range(1,0)
 ];
```

=item C<Base>

```
  $curBase = $diff->Base();
  $oldBase = $diff->Base($newBase);
```

C<Base> sets and/or returns the current base (usually 0 or 1) that is used when you request range information. The base defaults to 0 so that range information is returned as array indices. You can set the base to 1 if you want to report traditional line numbers instead.

=item C<Min>

```
  $min1 = $diff->Min(1);
  $min = $diff->Min( $seqNum, $base );
```

C<Min> returns the first value that C<Range> would return (given the same arguments) or returns C<undef> if C<Range> would return an empty list.

=item C<Max>

C<Max> returns the last value that C<Range> would return or C<undef>.

=item C<Get>

```
  ( $n, $x, $r ) = $diff->Get(qw( min1 max1 range1 ));
  @values = $diff->Get(qw( 0min2 1max2 range2 same base ));
```

C<Get> returns one or more scalar values. You pass in a list of the

names of the values you want returned. Each name must match one of the following regexes:

```
/^(-?\d+)?(min|max)[12]$/i
 /^(range[12]|same|diff|base)$/i
```

The 1 or 2 after a name says which sequence you want the information for (and where allowed, it is required). The optional number before "min" or "max" is the base to use. So the following equalities hold:

```
$diff->Get('min1') == $diff->Min(1)
$diff->Get('0min2') == $diff->Min(2,0)
```

Using C<Get> in a scalar context when you've passed in more than one name is a fatal error (C<die> is called).

=back

=head2 C<prepare>

Given a reference to a list of items, C<prepare> returns a reference to a hash which can be used when comparing this sequence to other sequences with C<LCS> or C<LCS_length>.

```
$prep = prepare( \@seq1 );
for $i ( 0 .. 10_000 )
{
    @lcs = LCS( $prep, $seq[$i] );
    # do something useful with @lcs
}
```

C<prepare> may be passed an optional third parameter; this is a CODE reference to a key generation function. See L</KEY GENERATION FUNCTIONS>.

```
$prep = prepare( \@seq1, \&keyGen );
for $i (
0 .. 10_000 )
{
    @lcs = LCS( $seq[$i], $prep, \&keyGen );
    # do something useful with @lcs
}
```

Using C<prepare> provides a performance gain of about 50% when calling LCS many times compared with not preparing.

=head2 C<diff>

```
  @diffs     = diff( \@seq1, \@seq2 );
  $diffs_ref = diff( \@seq1, \@seq2 );
```

C<diff> computes the smallest set of additions and deletions necessary to turn the first sequence into the second, and returns a description of these changes. The description is a list of I<hunks>; each hunk represents a contiguous section of items which should be added, deleted, or replaced. (Hunks containing unchanged items are not included.)

The return value of C<diff> is a list of hunks, or, in scalar context, a reference to such a list. If there are no differences, the list will be empty.

Here is an example. Calling C<diff> for the following two sequences:

```
  a b c e h j l m n p
  b c d e f j k l m r s t
```

would produce the following list:

```
  (
    [ [ '-', 0, 'a' ] ],

    [ [ '+', 2, 'd' ] ],

    [ [ '-', 4, 'h' ],
      [ '+', 4, 'f' ] ],

    [ [ '+', 6, 'k' ] ],

    [ [ '-',  8, 'n' ],
      [ '-',  9, 'p' ],
      [ '+',  9, 'r' ],
      [ '+', 10, 's' ],
      [ '+', 11, 't' ] ],
  )
```

There are five hunks here. The first hunk says that the C<a> at position 0 of the first sequence should be deleted (C<->). The second hunk says that the C<d> at position 2 of the second sequence should be inserted (C<+>). The third hunk says that the C<h> at position 4 of the first sequence should be removed and replaced with the C<f> from position 4 of the second sequence. And so on.

C<diff> may be passed an optional third parameter; this is a CODE reference to a key generation function. See L</KEY GENERATION FUNCTIONS>.

Additional parameters, if any, will be passed to the key generation
routine.

=head2 C<sdiff>

```
  @sdiffs     = sdiff( \@seq1, \@seq2 );
  $sdiffs_ref = sdiff( \@seq1, \@seq2 );
```

C<sdiff>
 computes all necessary components to show two sequences
and their minimized differences side by side, just like the
Unix-utility I<sdiff> does:

```
  same            same
  before    |     after
  old       <     -
  -         >     new
```

It returns a list of array refs, each pointing to an array of
display instructions. In scalar context it returns a reference
to such a list. If there are no differences, the list will have one
entry per item, each indicating that the item was unchanged.

Display instructions consist of three elements: A modifier indicator
(C<+>: Element added, C<->: Element removed, C<u>: Element unmodified,
C<c>: Element changed) and the value of the old and new elements, to
be displayed side-by-side.

An C<sdiff> of the following two sequences:

```
  a b c e h j l m n p
  b c d e f j k l m r s t
```

results in

```
  ( [ '-', 'a', ''  ],
    [ 'u', 'b', 'b' ],
    [ 'u', 'c', 'c' ],
    [ '+', '',  'd' ],
    [ 'u', 'e', 'e' ],
    [ 'c', 'h', 'f' ],
     [ 'u', 'j', 'j' ],
    [ '+', '',  'k' ],
    [ 'u', 'l', 'l' ],
    [ 'u', 'm', 'm' ],
    [ 'c', 'n', 'r' ],
    [ 'c', 'p', 's' ],
```

```
    [ '+', '',  't' ],
  )
```

C<sdiff> may be passed an optional third parameter; this is a CODE reference to a key generation function. See L</KEY GENERATION FUNCTIONS>.

Additional parameters, if any, will be passed to the key generation routine.

=head2 C<compact_diff>

C<compact_diff> is much like C<sdiff> except it returns a much more compact description consisting of just one flat list of indices. An example helps explain the format:

```
  my @a = qw( a b c   e  h j   l m n p      );
  my @b = qw(   b c d e f  j k l m    r s t );
  @cdiff = compact_diff( \@a, \@b );
  # Returns:
  #   @a     @b      @a      @b
  #  start   start   values   values
  (    0,     0,   #      =
       0,     0,   #    a !
       1,     0,   #  b c  =  b c
       3,     2,   #      !  d
       3,     3,   #    e  =  e
       4,     4,   #    f  !  h
       5,     5,   #    j  =  j
       6,     6,   #      !  k
       6,     7,   #  l m  =  l m
       8,     9,   #  n p  !  r s t
      10,    12,   #
  );
```

The 0th, 2nd, 4th, etc. entries are all indices into @seq1 (@a in the above example) indicating where a hunk begins. The 1st, 3rd, 5th, etc. entries are all indices into @seq2 (@b in the above example) indicating where the same hunk begins.

So each pair of indices (except the last pair) describes where a hunk begins (in each sequence). Since each hunk must end at the item just before the item that starts the next hunk, the next pair of indices can be used to determine where the hunk ends.

So, the first 4 entries (0..3) describe the first hunk. Entries 0 and 1 describe where the first hunk begins (and so are always both 0). Entries 2 and 3 describe where the next hunk begins, so subtracting 1

from each tells us where the first hunk ends. That is, the first hunk
contains items
 C<$diff[0]> through C<$diff[2] - 1> of the first sequence
and contains items C<$diff[1]> through C<$diff[3] - 1> of the second
sequence.

In other words, the first hunk consists of the following two lists of items:

```
        #  1st pair     2nd pair
        # of indices   of indices
  @list1 = @a[ $cdiff[0] .. $cdiff[2]-1 ];
  @list2 = @b[ $cdiff[1] .. $cdiff[3]-1 ];
        # Hunk start   Hunk end
```

Note that the hunks will always alternate between those that are part of
the LCS (those that contain unchanged items) and those that contain
changes. This means that all we need to be told is whether the first
hunk is a 'same' or 'diff' hunk and we can determine which of the other
hunks contain 'same' items or 'diff' items.

By convention, we always make the first hunk contain unchanged items.
So the 1st, 3rd, 5th, etc. hunks (all odd-numbered hunks if you start
counting from 1) all contain unchanged items. And the 2nd, 4th, 6th,
etc. hunks (all even-numbered
 hunks if you start counting from 1) all
contain changed items.

Since @a and @b don't begin with the same value, the first hunk in our
example is empty (otherwise we'd violate the above convention). Note
that the first 4 index values in our example are all zero. Plug these
values into our previous code block and we get:

```
  @hunk1a = @a[ 0 .. 0-1 ];
  @hunk1b = @b[ 0 .. 0-1 ];
```

And C<0..-1> returns the empty list.

Move down one pair of indices (2..5) and we get the offset ranges for
the second hunk, which contains changed items.

Since C<@diff[2..5]> contains (0,0,1,0) in our example, the second hunk
consists of these two lists of items:

```
    @hunk2a = @a[ $cdiff[2] .. $cdiff[4]-1 ];
    @hunk2b = @b[ $cdiff[3] .. $cdiff[5]-1 ];
  # or
    @hunk2a = @a[ 0 .. 1-1 ];
    @hunk2b = @b[ 0 .. 0-1 ];
```

```
  # or
      @hunk2a = @a[ 0 .. 0 ];
      @hunk2b = @b[ 0 .. -1 ];
  # or
      @hunk2a = ( 'a' );
      @hunk2b = ( );
```

That is, we would delete item 0 ('a')
from @a.

Since C<@diff[4..7]> contains (1,0,3,2) in our example, the third hunk
consists of these two lists of items:

```
      @hunk3a = @a[ $cdiff[4] .. $cdiff[6]-1 ];
      @hunk3a = @b[ $cdiff[5] .. $cdiff[7]-1 ];
  # or
      @hunk3a = @a[ 1 .. 3-1 ];
      @hunk3a = @b[ 0 .. 2-1 ];
  # or
      @hunk3a = @a[ 1 .. 2 ];
      @hunk3a = @b[ 0 .. 1 ];
  # or
      @hunk3a = qw( b c );
      @hunk3a = qw( b c );
```

Note that this third hunk contains unchanged items as our convention demands.

You can continue this process until you reach the last two indices,
which will always be the number of items in each sequence. This is
required so that subtracting one from each will give you the indices to
the last items in each sequence.

=head2 C<traverse_sequences>

C<traverse_sequences> used to be the most general facility provided by
this module (the new OO interface is more powerful and much easier to
use).

Imagine that there are two arrows. Arrow A points to an element
of
sequence A, and arrow B points to an element of the sequence B.
Initially, the arrows point to the first elements of the respective
sequences. C<traverse_sequences> will advance the arrows through the
sequences one element at a time, calling an appropriate user-specified
callback function before each advance. It will advance the arrows in
such a way that if there are equal elements C<$A[$i]> and C<$B[$j]>
which are equal and which are part of the LCS, there will be some moment
during the execution of C<traverse_sequences> when arrow A is pointing

to C<$A[$i]> and arrow B is pointing to C<$B[$j]>. When this happens,
C<traverse_sequences> will call the C<MATCH> callback function and then
it will advance both arrows.

Otherwise, one of the arrows is pointing to an element of its sequence
that is not part of the LCS. C<traverse_sequences> will advance that
arrow and will call the C<DISCARD_A> or the C<DISCARD_B> callback,
depending on which arrow it advanced. If both arrows point
 to elements
that are not part of the LCS, then C<traverse_sequences> will advance
one of them and call the appropriate callback, but it is not specified
which it will call.

The arguments to C<traverse_sequences> are the two sequences to
traverse, and a hash which specifies the callback functions, like this:

```
  traverse_sequences(
     \@seq1, \@seq2,
     {   MATCH => $callback_1,
         DISCARD_A => $callback_2,
         DISCARD_B => $callback_3,
     }
  );
```

Callbacks for MATCH, DISCARD_A, and DISCARD_B are invoked with at least
the indices of the two arrows as their arguments. They are not expected
to return any values. If a callback is omitted from the table, it is
not called.

Callbacks for A_FINISHED and B_FINISHED are invoked with at least the
corresponding index in A or B.

If arrow A reaches the end of its sequence, before arrow B does,
C<traverse_sequences> will call the C<A_FINISHED> callback when it
advances arrow B, if there is such a function;
 if not it will call
C<DISCARD_B> instead. Similarly if arrow B finishes first.
C<traverse_sequences> returns when both arrows are at the ends of their
respective sequences. It returns true on success and false on failure.
At present there is no way to fail.

C<traverse_sequences> may be passed an optional fourth parameter; this
is a CODE reference to a key generation function. See L</KEY GENERATION
FUNCTIONS>.

Additional parameters, if any, will be passed to the key generation function.

If you want to pass additional parameters to your callbacks, but don't

need a custom key generation function, you can get the default by
passing undef:

```
  traverse_sequences(
     \@seq1, \@seq2,
     {   MATCH => $callback_1,
         DISCARD_A => $callback_2,
         DISCARD_B => $callback_3,
     },
     undef,     # default key-gen
     $myArgument1,
     $myArgument2,
     $myArgument3,
  );
```

C<traverse_sequences> does not have a useful return value; you are
expected
 to plug in the appropriate behavior with the callback
functions.

=head2 C<traverse_balanced>

C<traverse_balanced> is an alternative to C<traverse_sequences>. It
uses a different algorithm to iterate through the entries in the
computed LCS. Instead of sticking to one side and showing element changes
as insertions and deletions only, it will jump back and forth between
the two sequences and report I<changes> occurring as deletions on one
side followed immediately by an insertion on the other side.

In addition to the C<DISCARD_A>, C<DISCARD_B>, and C<MATCH> callbacks
supported by C<traverse_sequences>, C<traverse_balanced> supports
a C<CHANGE> callback indicating that one element got C<replaced> by another:

```
  traverse_balanced(
     \@seq1, \@seq2,
     {   MATCH => $callback_1,
         DISCARD_A => $callback_2,
         DISCARD_B => $callback_3,
         CHANGE    => $callback_4,
     }
  );
```

If no C<CHANGE> callback is specified, C<traverse_balanced>
will
 map C<CHANGE> events to C<DISCARD_A> and C<DISCARD_B> actions,
therefore resulting in a similar behaviour as C<traverse_sequences>
with different order of events.

C<traverse_balanced> might be a bit slower than C<traverse_sequences>,
noticeable only while processing huge amounts of data.

The C<sdiff> function of this module
is implemented as call to C<traverse_balanced>.

C<traverse_balanced> does not have a useful return value; you are expected to
plug in the appropriate behavior with the callback functions.

=head1 KEY GENERATION FUNCTIONS

Most of the functions accept an optional extra parameter. This is a
CODE reference to a key generating (hashing) function that should return
a string that uniquely identifies a given element. It should be the
case that if two elements are to be considered equal, their keys should
be the same (and the other way around). If no key generation function
is provided, the key will be the element as a string.

By default, comparisons will use "eq"
 and elements will be turned into keys
using the default stringizing operator '""'.

Where this is important is when you're comparing something other than
strings. If it is the case that you have multiple different objects
that should be considered to be equal, you should supply a key
generation function. Otherwise, you have to make sure that your arrays
contain unique references.

For instance, consider this example:

```
  package Person;

  sub new
  {
     my $package = shift;
     return bless { name => '', ssn => '', @_ }, $package;
  }

  sub clone
  {
     my $old = shift;
     my $new = bless { %$old }, ref($old);
  }

  sub hash
  {
     return shift()->{'ssn'};
  }
```

```
  my $person1 = Person->new( name => 'Joe', ssn => '123-45-6789' );
  my $person2 = Person->new( name => 'Mary', ssn => '123-47-0000' );
  my $person3 = Person->new( name => 'Pete', ssn => '999-45-2222' );
  my $person4 = Person->new( name => 'Peggy', ssn => '123-45-9999'
);
  my $person5 = Person->new( name => 'Frank', ssn => '000-45-9999' );
```

If you did this:

```
  my $array1 = [ $person1, $person2, $person4 ];
  my $array2 = [ $person1, $person3, $person4, $person5 ];
  Algorithm::Diff::diff( $array1, $array2 );
```

everything would work out OK (each of the objects would be converted
into a string like "Person=HASH(0x82425b0)" for comparison).

But if you did this:

```
  my $array1 = [ $person1, $person2, $person4 ];
  my $array2 = [ $person1, $person3, $person4->clone(), $person5 ];
  Algorithm::Diff::diff( $array1, $array2 );
```

$person4 and $person4->clone() (which have the same name and SSN)
would be seen as different objects. If you wanted them to be considered
equivalent, you would have to pass in a key generation function:

```
  my $array1 = [ $person1, $person2, $person4 ];
  my $array2 = [ $person1, $person3, $person4->clone(), $person5 ];
  Algorithm::Diff::diff( $array1, $array2, \&Person::hash );
```

This would use the 'ssn' field in
 each Person as a comparison key, and
so would consider $person4 and $person4->clone() as equal.

You may also pass additional parameters to the key generation function
if you wish.

=head1 ERROR CHECKING

If you pass these routines a non-reference and they expect a reference,
they will die with a message.

=head1 AUTHOR

This version released by Tye McQueen (http://perlmonks.org/?node=tye).

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=head1 MAILING LIST

Mark-Jason still maintains a mailing list. To join a low-volume mailing
list for announcements related to diff and Algorithm::Diff, send an
empty mail message to mjd-perl-diff-request@plover.com.

=head1 CREDITS

Versions through 0.59 (and much of this documentation) were written by:

Mark-Jason Dominus, mjd-perl-diff@plover.com

This version borrows some documentation and routine
 names from
Mark-Jason's, but Diff.pm's code was completely replaced.

This code was adapted from the Smalltalk code of Mario Wolczko
<mario@wolczko.com>, which is available at
ftp://st.cs.uiuc.edu/pub/Smalltalk/MANCHESTER/manchester/4.0/diff.st

C<sdiff> and C<traverse_balanced> were written by Mike Schilli
<m@perlmeister.com>.

The algorithm is that described in
I<A Fast Algorithm for Computing Longest Common Subsequences>,
CACM, vol.20, no.5, pp.350-353, May 1977, with a few
minor improvements to improve the speed.

Much work was done by Ned Konz (perl@bike-nomad.com).

The OO interface and some other changes are by Tye McQueen.

=cut

Found in path(s):
* /libalgorithm-diff-perl-1-19-03-orig-1-tar-gz/Algorithm-Diff-1.1903/lib/Algorithm/Diff.pm
No license file was found, but licenses were detected in source scan.

---
abstract: unknown
author:

- unknown
build_requires:
ExtUtils::MakeMaker: '0'
configure_requires:
ExtUtils::MakeMaker: '0'
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.98, CPAN::Meta::Converter version 2.141170'
license: unknown
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: '1.4'
name: Algorithm-Diff
no_index:
directory:
- t
- inc
requires: {}
version: '1.1903'

Found in path(s):
* /libalgorithm-diff-perl-1-19-03-orig-1-tar-gz/Algorithm-Diff-1.1903/META.yml

1.389 python-meld3 1.0.2-2

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Contributors

- Chris McDonough, 2005-12-18

- Tres Seaver, 2006-02-09

- Jorge Puente Sarrn, 2012-11-27
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 * Alec Wysoker
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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b) Accompany the

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

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

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

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

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
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END OF TERMS AND CONDITIONS

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<signature of Ty Coon>, 1 April 1990
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The

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1.393 autotools-dev 20180224.1

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1.395 six 1.11.0-2

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1.396 python-certifi 2018.1.18-2

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1.397 jinja2 2.10-1.ph3

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1.398 libapache2-mod-authnz-external 3.3.2-0.1

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Found in path(s):
* /libapache2-mod-authnz-external-3-3-2-orig-1-tar-gz/mod_authnz_external-3.3.2/mod_authnz_external.c

1.399 libapache2-mod-authz-unixgroup 1.1.0-0.1

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1.403 python-setuptools 39.0.1-2

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1.404 x-time-rate 0.0.0-20191024005414-555d28b269f0

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1.405 zstd 1.3.3+dfsg-2ubuntu1.2

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1.406 pcre 8.44

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1.408 gopsutil 2.20.6+incompatible

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1.410 joda-time 2.10.9

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1.411 gorilla 1.8.0

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1.412 jackson 2.10.5

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1.414 jline 2.14.6

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1.415 glibc 2.27-3ubuntu1.4

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1.419 libtasn 4.13-2

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and
can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms
of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

^L
Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute
the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.
^L
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

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

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

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

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

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

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.
^L
7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined
with any other library
facilities. This must be distributed under the terms of the
Sections above.

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

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^L

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file to most
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<one line to give the library's name and a brief idea of what it does.>
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Boston, MA 02110-1301 USA

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

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

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

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

That's all there is to it!

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
> > > 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.

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 l91Gxtpr020623
 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-56FBFEBE6E9F@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

1.422 kerberos 1.16-2ubuntu0.2

1.422.1 Available under license :

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

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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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1.427 json-java 20131018

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Version 3.0, 18 August 2009

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* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/DomainSocketChannel.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_socket.c
*
 /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/UnixChannel.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_socket.h
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_filedescriptor.c
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/Errors.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/Socket.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_errors.h
* /netty-transport-native-unix-common-4-1-63-final-sources-
jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /netty-transport-native-unix-common-4-1-63-final-sources-
jar/io/netty/channel/unix/DomainSocketReadMode.java
*
 /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/FileDescriptor.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java
* /netty-transport-native-unix-common-4-1-63-final-sources-
jar/io/netty/channel/unix/ServerDomainSocketChannel.java
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* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java

*
/netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_util.c
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_limits.c
* /netty-transport-native-unix-common-4-1-63-final-sources-jar/netty_unix_limits.h
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* /netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/UnixChannelOption.java
*
/netty-transport-native-unix-common-4-1-63-final-sources-jar/io/netty/channel/unix/IovArray.java

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* /netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.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.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */

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* /netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/Epoll.java
*
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* /netty-transport-native-epoll-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollMode.java
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jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.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.
    * 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 <a href="https://linux.die.net//man/7/tcp">TCP_QUICKACK</a>
    * for more details.
    */
```

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1.431 x-crypto 0.0.0-20190308221718-c2843e01d9a2

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1.434 gorilla 0.0.0-20170926233335-4201258b820c

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1.435 go-systemd 0.0.0-20180511133405-39ca1b05acc7

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1.436 x-time-rate 0.0.0-20180412165947-fbb02b2291d2

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1.437 capnslog 0.0.0-20160727233714-3ac0863d7acf

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1.438 tacacs-plus 2.6

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1.439 python-pam 1.8.4

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1.440 jetty-util 9.4.39.v20210325

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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

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

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1.441 jetty-security 9.4.39.v20210325

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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.
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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
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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

Apache

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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

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.442 jetty-util-ajax 9.4.39.v20210325

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If ALPN is used to negotiate HTTP/2 connections, then the following
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* java.sun.security.ssl

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 org.apache.tomcat:tomcat-util-scan
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1.443 x-text 0.3.6

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1.444 jersey-client 2.34

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1.450 urllib3 1.22

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Contributions to the urllib3 project

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Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
 * 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/@WBRSRlBZDhBFXQB6/>
 * Code review, PEP8 compliance, benchmark fix

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

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

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

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

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
 * 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 <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
 * Disabled TLS compression in pyopenssl contrib module
 * Configurable cipher suites in pyopenssl contrib module

* 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 <http://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

* Benjamen 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

* Jon Wayne Parrott <jonwayne@google.com>
 * App Engine environment tests.

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

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

* James
 Atherfold <jlatherfold@hotmail.com>
 * 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

* Jesse 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

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

1.451 msgpack 1.0.2

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1.454 zstd 1.4.1

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1.455 python-ldap 3.0.0

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Python/Jython

1.456 google-protobuf 3.12.2

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1.457 jersey-container-servlet 2.34

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Source Code
The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jersey

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1.458 netty-transport 4.1.63.Final

1.458.1 Available under license :

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Manifest-Version: 1.0
Implementation-Title: Netty/Transport
Bundle-Description: Netty is an asynchronous event-driven network appl
ication framework for rapid development of maintainable high perfo
rmance protocol servers and clients.
Automatic-Module-Name: io.netty.transport
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.transport
Implementation-Version: 4.1.63.Final
Built-By: root
Bnd-LastModified: 1617274755207
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.buffer;version="[4.1,5)",io.netty.resolver;ve
rsion="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.concurr
ent;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.net
ty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=opt
ional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.
eclipse.jetty.alpn;version="[1,2)";resolution:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.bootstrap;uses:="io.netty.channel,io.netty.re
solver,io.netty.util";version="4.1.63",io.netty.channel;uses:="io.net
ty.bootstrap,io.netty.buffer,io.netty.util,io.netty.util.concurrent";
version="4.1.63",io.netty.channel.embedded;uses:="io.netty.channel";v
ersion="4.1.63",io.netty.channel.group;uses:="io.netty.channel,io.net
ty.util.concurrent";version="4.1.63",io.netty.channel.internal;versio
n="4.1.63",io.netty.channel.local;uses:="io.netty.channel";version="4
.1.63",io.netty.channel.nio;uses:="io.netty.buffer,io.netty.channel,i
o.netty.util,io.netty.util.concurrent";version="4.1.63",io.netty.chan
nel.oio;uses:="io.netty.buffer,io.netty.channel";version="4.1.63",io.
netty.channel.pool;uses:="io.netty.bootstrap,io.netty.channel,io.nett
y.util.concurrent";version="4.1.63",io.netty.channel.socket;uses:="io
.netty.buffer,io.netty.channel,io.netty.util";version="4.1.63",io.net

ty.channel.socket.nio;uses:="io.netty.buffer,io.netty.channel,io.nett
y.channel.nio,io.netty.channel.socket";version="4.1.63",io.netty.chan
nel.socket.oio;uses:="io.netty.buffer,io.netty.channel,io.netty.chann
el.oio,io.netty.channel.socket";version="4.1.63"
Bundle-Name: Netty/Transport
Bundle-Version: 4.1.63.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_272
Implementation-URL: https://netty.io/netty-transport/

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* /netty-transport-4-1-63-final-jar/META-INF/native-image/io.netty/transport/native-image.properties

1.459 netty-resolver 4.1.63.Final

1.459.1 Available under license :

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Manifest-Version: 1.0

Implementation-Title: Netty/Resolver
Bundle-Description: Netty is an asynchronous event-driven network appl
ication framework for   rapid development of maintainable high perfo
rmance protocol servers and   clients.
Automatic-Module-Name: io.netty.resolver
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.resolver
Implementation-Version: 4.1.63.Final
Built-By: root
Bnd-LastModified: 1617274739124
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.util;version="[4.1,5)",io.netty.util.concurre
nt;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.nett
y.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=opti
onal,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.e
clipse.jetty.alpn;version="[1,2)";resolution:=optional
Require-Capability:
 osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.resolver;uses:="io.netty.util.concurrent";ver
sion="4.1.63"
Bundle-Name: Netty/Resolver
Bundle-Version: 4.1.63.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_272
Implementation-URL: https://netty.io/netty-resolver/

Found in path(s):
* /netty-resolver-4-1-63-final-jar/META-INF/MANIFEST.MF
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Found in path(s):
* /netty-resolver-4-1-63-final-jar/META-INF/maven/io.netty/netty-resolver/pom.xml

1.460 netty-codec 4.1.63.Final

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Found in path(s):
* /netty-codec-4-1-63-final-jar/META-INF/maven/io.netty/netty-codec/pom.xml
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Manifest-Version: 1.0
Implementation-Title: Netty/Codec
Bundle-Description: Netty is an asynchronous event-driven network appl
ication framework for rapid development of maintainable high perfo
rmance protocol servers and clients.
Automatic-Module-Name: io.netty.codec
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.codec
Implementation-Version: 4.1.63.Final
Built-By: root
Bnd-LastModified: 1617274774525
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: com.google.protobuf;version="[2.6,3)";resolution:=opti
onal,com.google.protobuf.nano;resolution:=optional,com.jcraft.jzlib;r
esolution:=optional,com.ning.compress;version="[1.0,2)";resolution:=o

ptional,com.ning.compress.lzf;version="[1.0,2)";resolution:=optional,
com.ning.compress.lzf.util;version="[1.0,2)";resolution:=optional,io.
 netty.buffer;version="[4.1,5)",io.netty.channel;version="[4.1,5)",io.
netty.channel.socket;version="[4.1,5)",io.netty.util;version="[4.1,5)
",io.netty.util.concurrent;version="[4.1,5)",io.netty.util.internal;v
ersion="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",lzm
a.sdk;resolution:=optional,lzma.sdk.lzma;resolution:=optional,net.jpo
untz.lz4;resolution:=optional,net.jpountz.xxhash;resolution:=optional
,org.jboss.marshalling;resolution:=optional,sun.nio.ch;resolution:=op
tional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org
.eclipse.jetty.alpn;version="[1,2)";resolution:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.handler.codec;uses:="io.netty.buffer,io.netty
.channel,io.netty.channel.socket,io.netty.util";version="4.1.63",io.n
etty.handler.codec.base64;uses:="io.netty.buffer,io.netty.channel,io.
 netty.handler.codec";version="4.1.63",io.netty.handler.codec.bytes;us
es:="io.netty.buffer,io.netty.channel,io.netty.handler.codec";version
="4.1.63",io.netty.handler.codec.compression;uses:="io.netty.buffer,i
o.netty.channel,io.netty.handler.codec,net.jpountz.lz4";version="4.1.
63",io.netty.handler.codec.json;uses:="io.netty.buffer,io.netty.chann
el,io.netty.handler.codec";version="4.1.63",io.netty.handler.codec.ma
rshalling;uses:="io.netty.buffer,io.netty.channel,io.netty.handler.co
dec,org.jboss.marshalling";version="4.1.63",io.netty.handler.codec.pr
otobuf;uses:="com.google.protobuf,com.google.protobuf.nano,io.netty.b
uffer,io.netty.channel,io.netty.handler.codec";version="4.1.63",io.ne
tty.handler.codec.serialization;uses:="io.netty.buffer,io.netty.chann
el,io.netty.handler.codec";version="4.1.63",io.netty.handler.codec.st
ring;uses:="io.netty.buffer,io.netty.channel,io.netty.handler.codec";
version="4.1.63",io.netty.handler.codec.xml;uses:="io.netty.buffer,io
 .netty.channel,io.netty.handler.codec";version="4.1.63"
Bundle-Name: Netty/Codec
Bundle-Version: 4.1.63.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_272
Implementation-URL: https://netty.io/netty-codec/

Found in path(s):
* /netty-codec-4-1-63-final-jar/META-INF/MANIFEST.MF

1.461 netty-handler 4.1.63.Final

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Found in path(s):
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/TCPPacket.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/EthernetPacket.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/PcapWriter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/UDPPacket.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/PcapWriteHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/PcapHeaders.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/pcap/IPPacket.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
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Found in path(s):
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/IpSubnetFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslClosedEngineException.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/logging/ByteBufFormat.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/address/ResolveAddressHandler.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ocsp/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslCompletionEvent.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/Conscrypt.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/AbstractSniHandler.java
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Found in path(s):
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/address/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSsl.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkSslEngine.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkSslContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SniHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslProvider.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslUtils.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/IpFilterRule.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkSslClientContext.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslEngine.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/PemReader.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java

* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionId.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionCache.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/Java8SslUtils.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/PemEncoded.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/PemValue.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/flush/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/flow/package-info.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/PemX509Certificate.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
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 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/OpenSslSession.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/logging/LoggingHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/IdleStateEvent.java
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 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/NotSslRecordException.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/logging/LogLevel.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
*
 /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/stream/ChunkedNioFile.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/stream/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/package-info.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/IdleState.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/timeout/TimeoutException.java
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* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
*
/netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/SslContextBuilder.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/ClientAuth.java
* /netty-handler-4-1-63-final-sources-1-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
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1.463 python-certifi 2018.1.18

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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#
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 SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $
$Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.464 libx11 1.6.4-3ubuntu0.4

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1.465 ubuntu-keyring 2018.09.18.1~18.04.2

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1.466 pam 1.1.8-3.6ubuntu2.18.04.3

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

```
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
 close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+
+
      /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                           "Unable to change UID to %d temporarily\n",
+                           pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+
+            if (stat(flag, &s) != 0)
+            {
+                display_file(pamh, "/etc/legal");
+                mkdir(dir, 0700);
+                f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                         S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+                if (f>=0) close(f);
+            }
+
```

```
+finished:
+           if (pam_modutil_regain_priv(pamh,
 &privs)) {
+               pam_syslog(pamh, LOG_ERR,
+                          "Unable to change UID back to %d\n", privs.old_uid);
+               retval = PAM_SESSION_ERR;
+           }
+
+           _pam_drop(flag);
+           _pam_drop(dir);
+       }
+   }
+   return retval;
+}
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
  int argc, const char **argv)
@@ -116,6 +171,9 @@
   /* Display the updated motd */
   display_file(pamh, motd_path);

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

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

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

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1.469 jinja2 2.10

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the

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d) Convey the object code by offering access from a designated
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the same way through the same place at no
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A separable portion of the object code, whose source code is excluded
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpChannelOption.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/rxtx/RxtxChannel.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2Connection.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionDecoder.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/client/Http2ClientInitializer.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttQoS.java
*
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2Exception.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2DataWriter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/client/Http2SettingsHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameTypes.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpServerUpgradeHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/CharObjectHashMap.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2CodecUtil.java
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/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2HeadersEncoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/Headers.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2LifecycleManager.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/LongCollections.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/Http2ExampleUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2RemoteFlowController.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/LongObjectMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionEncoder.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2RemoteFlowController.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/ShortObjectHashMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/ByteCollections.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/IntObjectMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/collection/LongObjectHashMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2Flags.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2ClientUpgradeCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameListenerDecorator.java
*

/netty-all-4-1-63-final-sources-jar/io/netty/util/collection/IntCollections.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/CompressorHttp2ConnectionEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/EmptyHttp2Headers.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2FrameReader.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpClientUpgradeHandler.java
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jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SupportsIterator.java
* /netty-all-4-1-63-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddChunk.java
* /netty-all-4-1-63-final-sources-
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/netty-all-4-1-63-final-sources-
jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Ordering.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingIdentityHashMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscBlockingConsumerArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingSetInt.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscLinkedQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpscUnboundedAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscChunkedAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMap.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeJvmInfo.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/QueueFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/InternalAPI.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpscAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/PortableJvmInfo.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/LinkedQueueNode.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscLinkedQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpscLinkedArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpscGrowableAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddChunk.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscGrowableArrayQueue.java
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/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/RangeUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpmcAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeRefArrayAccess.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscUnboundedArrayQueue.java

* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/Pow2.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMapLong.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueueUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscGrowableAtomicArrayQueue.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Preference.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/IndexedQueueSizeUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscLinkedAtomicQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseMpscLinkedArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseLinkedQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscChunkedArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeAccess.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeLongArrayAccess.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscChunkedArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpmcArrayQueue.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscGrowableArrayQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/ConcurrentQueueSpec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/AbstractEntry.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/Buffer.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/PcapWriteHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/package-info.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/EthernetPacket.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/PcapHeaders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/IPPacket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/TCPPacket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/pcap/PcapWriter.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/LastMemcacheContent.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java
*
 /netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/PlatformDependent0.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/ResourceLeakException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/CompleteFuture.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/DefaultMemcacheContent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/RecyclableArrayList.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/FutureListener.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/DefaultLastMemcacheContent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/DefaultByteBufHolder.java
* /netty-all-4-1-63-final-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseDecoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObject.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/MemcacheMessage.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdySessionStatus.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheOpcodes.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameDecoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/ScheduledFuture.java

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* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/AbstractFuture.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/ReferenceCountUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/AbstractReferenceCounted.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/DefaultThreadFactory.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/AppendableCharSequence.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/PendingWrite.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ReadOnlyIterator.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaders.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksCmdType.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/memcache/FullMemcacheMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/ResourceLeakDetector.java
* /netty-all-4-1-63-final-sources-
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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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*/
/**
* 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:
* <ul>
* <li>{@link
 ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </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}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 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 a 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}&lt;{@link Channel}&gt; {
*     {@code @Override}
```

```
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </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}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*           {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 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}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
```

```
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </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>.
*
* <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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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakeException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompSubscription.java
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/netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompWebSocketFrameEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompVersion.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakeException.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslClosedEngineException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/dns/tcp/TcpDnsClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2PriorityFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/SizeClassesMetric.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompWebSocketChatServerInitializer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/DeleteFileOnExitHook.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/SizeClasses.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/UnixResolverOptions.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/dns/dot/DoTClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/NetUtilSubstitutions.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/LongPriorityQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/logging/ByteBufFormat.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyMessageEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompWebSocketProtocolCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubAckPayload.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/address/ResolveAddressHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/LongLongHashMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/haproxy/HAProxyClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/LoggingDnsQueryLifeCycleObserverFactory.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/StacklessClosedChannelException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompWebSocketClientPageHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/dns/udp/DnsClient.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/example/haproxy/HAProxyServer.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PriorityFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttPubReplyMessageVariableHeader.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/DuplexChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/websocket/StompChatHandler.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/DomainWildcardMappingBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/NetUtilInitializations.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageIdAndPropertiesVariableHeader.java
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jar/io/netty/handler/codec/mqtt/MqttReasonCodeAndPropertiesVariableHeader.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PushPromiseFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilter.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/example/uptime/UptimeServerHandler.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/PendingBytesTracker.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserverFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/CleartextHttp2ServerUpgradeHandler.java

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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/PriorityQueue.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserverFactory.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelBootstrap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/LongAdderCounter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameCodecBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageBuilders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/uptime/UptimeServer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2UnknownFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/internal/package-info.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2MultiplexCodecBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/SuppressForbidden.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/ByteBufAllocatorMetric.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/UncheckedBooleanSupplier.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/EmptyPriorityQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/NettyRuntime.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/ReadOnlyHttpHeaders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ObjectCleaner.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserverFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java

* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameStreamEvent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2UnknownFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ReflectionUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/FastThreadLocalThread.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/KmpSearchProcessorFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/frame/client/Http2ClientFrameInitializer.java
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/netty-all-4-1-63-final-sources-
jar/io/netty/example/http2/helloworld/frame/client/Http2ClientStreamFrameResponseHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/AbstractMultiSearchProcessorFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/SearchProcessor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/AhoCorasicSearchProcessorFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/MultiSearchProcessorFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/frame/client/Http2FrameClient.java
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* Utility class for {@link ByteBuf} that encodes and decodes to and from
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* <p>
 * The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
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* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/CertificateVerifierTask.java
* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodSignTask.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java
* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLTask.java
* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/CertificateCallbackTask.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/AcceptFilter.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/Native.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/PemValue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DefaultDnsCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketChunkedInput.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2GoAwayFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/PromiseNotificationUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/ReadOnlyHttp2Headers.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/OutOfDirectMemoryError.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueDatagramChannel.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueStreamChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2WindowUpdateFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameStream.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/InflightNameResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/InboundHttpToHttp2Adapter.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequests.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpCommand.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameStreamException.java

* /netty-all-4-1-63-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueDomainSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyTLV.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/flow/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/redis/RedisClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/Limits.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/Log4J2Logger.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/Http2ServerInitializer.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpContent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/PromiseCombiner.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/haproxy/HAProxySSLTLV.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueDomainSocketChannelConfig.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannel.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/ResourceLeakDetectorFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PingFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NoopDnsCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/DateFormatter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/NativeLongArray.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/BsdSocket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/SelectStrategy.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2StreamFrameToHttpObjectCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueDatagramChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequestEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/frame/server/Http2ServerInitializer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2Frame.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/flush/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/MacAddressUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/NativeLibraryUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpResponse.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ResetFrame.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PooledSlicedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2DataFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/ResourceLeakTracker.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequest.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/UnstableApi.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ConstantTimeUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PooledDuplicatedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueChannel.java
*

/netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/frame/server/Http2Server.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2SettingsFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/smtp/SmtpUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueEventLoop.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2SettingsFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/DomainNameMappingBuilder.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ThrowableUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2MultiplexCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2WindowUpdateFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/SocketUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/LinuxSocket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueStaticallyReferencedJniMethods.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
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/netty-all-4-1-63-final-sources-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2HeadersFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueServerDomainSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueServerSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2PingFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/kqueue/KQueueEventArray.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2DataFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameStreamVisitor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/IntSupplier.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/BooleanSupplier.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/StreamByteDistributor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/CoalescingBufferQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/MathUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/ByteProcessor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/ValueConverter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/UniformStreamByteDistributor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cors/CorsConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/cors/OkResponseHandler.java
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*/
```

```
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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>.
*/
```

Found in path(s):
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java
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```
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Found in path(s):
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsRecordResolveContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NameServerComparator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/Cache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/nio/NioChannelOption.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/SuppressJava6Requirement.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DirContextUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/NoopDnsCnameCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/Buffer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsCnameCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DefaultDnsCnameCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLSessionCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/SSLSession.java
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Found in path(s):
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/Http1RequestHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandlerBuilder.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/HttpServer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/HostsFileParser.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/CompositeNameResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/DomainSocketReadMode.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/DefaultPriorityQueue.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnsafeByteBufUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandlerBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/InetNameResolver.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/CharSequenceMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/HeapByteBufUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2HandlerBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuery.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoServer.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/ImageCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolChunkMetric.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/Http2RequestHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsQuestion.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/Errors.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/util/AsyncMapping.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/DomainSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsResponse.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponse.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsOpCode.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/ThreadProperties.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/Socket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/Http2OrHttpHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/FileDescriptor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollMode.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java

* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/Launcher.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/ChannelPool.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/Http2Server.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/CookieUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/DomainMappingBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/RtspDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/AbstractHttp2ConnectionHandlerBuilder.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/FallbackRequestHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsRecord.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/AddressResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolSubpageMetric.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/tiles/Html.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsQueryContextManager.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java
*

/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnpooledSlicedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpScheme.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/UnixChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/HashingStrategy.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/LongCounter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsQuery.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ClientAuth.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/nio/NioSctpChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/worldclock/WorldClockProtocol.proto
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpServerChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/SctpChannelConfig.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java
*

/netty-all-4-1-63-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/sctp/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/traffic/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/sctp/SctpMessageCompletionHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/traffic/TrafficCounter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/UdtChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.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>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* 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 <tt>initialBytesToStrip</tt>.  In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "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
* <tt>lengthAdjustment</tt>.  Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
```

```
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= 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.  <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* 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
* <b>lengthAdjustment</b>    = <b>2</b> (= 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
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= 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
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* 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
*/

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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackStaticTable.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackDynamicTable.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/HpackHeaderField.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/ByteProcessorUtils.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/InlineCommandRedisMessage.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/HelloWorldHttp2Handler.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/ErrorRedisMessage.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisMessagePool.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisArrayAggregator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/SimpleStringRedisMessage.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisMessage.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/example/redis/RedisClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/frame/server/Http2OrHttpHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/Http2OrHttpHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/example/http2/helloworld/frame/server/HelloWorldHttp2Handler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/ArrayRedisMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/AbstractCoalescingBufferQueue.java
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Found in path(s):

* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/logging/InternalLogger.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.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */

Found in path(s):
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2EmptyDataFrameListener.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2EmptyDataFrameConnectionDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2ControlFrameLimitEncoder.java
*
/netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2SettingsReceivedConsumer.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpMessageDecoderResult.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/SegmentedDatagramPacket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslContextOption.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/SegmentedDatagramPacket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslSessionId.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslContextOption.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/Cleaner.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/CleanerJava9.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/sctp/SctpOutboundByteStreamHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/DefaultHttpContent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/telnet/TelnetClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/DefaultAttributeMap.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/string/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/telnet/TelnetClientInitializer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/websocketx/server/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/DefaultHttpHeaders.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/sctp/SctpEchoClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/Attribute.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/FixedRecvByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostMultipartRequestDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/DefaultHttpRequest.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/SwappedByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/EventLoopException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelFutureListener.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/nio/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelPipelineException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelHandlerContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/qotm/QuoteOfTheMomentClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpContentCompressor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/factorial/FactorialClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/securechat/SecureChatClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/QueryStringEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/qotm/QuoteOfTheMomentServerHandler.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/GlobalEventExecutor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketUtil.java

* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/upload/HttpUploadClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelPromiseNotifier.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/UnpooledHeapByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/oio/AbstractOioMessageChannel.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/message/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/nio/NioTask.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/QueryStringDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/PlatformDependent.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaders.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/EventExecutor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/worldclock/WorldClockClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerTwo.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/snoop/HttpSnoopClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/AttributeMap.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/DatagramPacket.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelPipeline.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/snoop/HttpSnoopServerInitializer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/RecvByteBufAllocator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/cors/HttpCorsServer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpRequestDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/ByteBufOutputStream.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/message/MsgEchoClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/CookieDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/FileRegion.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/helloworld/HttpHelloWorldServer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/CodecException.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelPromise.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerTwo.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/rtsp/RtspRequestDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/EventLoop.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/DefaultEventLoopGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/TextWebSocketFrame.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/snoop/HttpSnoopClientInitializer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostRequestDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/websocketx/server/WebSocketServer.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/factorial/FactorialServerInitializer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/DiskAttribute.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpContentEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpClientCodec.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/sctp/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/PoolSubpage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpConstants.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelOption.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpRequest.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/DiskFileUpload.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/EventLoopGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/message/MsgEchoServer.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/EncoderException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/udt/echo/bytes/ByteEchoClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/discard/DiscardServer.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/TimerTask.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelInboundHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/CompositeByteBuf.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/udt/UdtChannelConfig.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/buffer/SlicedByteBuf.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/ReferenceCountUpdater.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatBroker.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/channel/ExtendedClosedChannelException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/svm/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/TcpDnsResponseDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsResponseDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsQueryEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatClientHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/DatagramDnsQueryContext.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatBrokerHandler.java
* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/Hidden.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/svm/PlatformDependent0Substitution.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/dns/DnsCodecUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/channel/EventLoopTaskQueueFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatClient.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/ChannelHandlerMask.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/svm/CleanerJava6Substitution.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2SettingsAckFrame.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamChannel.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/OcspRequestBuilder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/Digester.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/ocsp/OcspServerExample.java
*
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* /netty-all-4-1-63-final-sources-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java

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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java

* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/xml/XmlEntityReference.java
*
 /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/spdy/server/SpdyServerHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/spdy/client/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/dns/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubAckMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribePayload.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2FrameLogger.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslProvider.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/xml/XmlElementEnd.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/stomp/StompCommand.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/proxy/ProxyHandler.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2SecurityUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttIdentifierRejectedException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/ClientCookieEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyCommand.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttDecoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/example/stomp/StompClient.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http2/Http2InboundFrameLogger.java

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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/SslContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/xml/XmlComment.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/util/internal/InternalThreadLocalMap.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/JdkSslContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageType.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/stomp/StompHeadersSubframe.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/unix/IovArray.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-all-4-1-63-final-sources-jar/io/netty/channel/AbstractEventLoop.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribeMessage.java
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/xml/XmlNamespace.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/AsciiString.java
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* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/stomp/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/util/concurrent/PromiseAggregator.java
* /netty-all-4-1-63-final-sources-
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* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/proxy/ProxyConnectException.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribeMessage.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
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 /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java
* /netty-all-4-1-63-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/xml/XmlElement.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /netty-all-4-1-63-final-sources-jar/io/netty/handler/codec/mqtt/MqttPublishMessage.java
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1.474 python-pip 9.0.1-2.3~ubuntu1.18.04.5

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1.475 libalgorithm-merge-perl 0.08-3

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```
#
# For testing:
#
sub main::diag {
  warn join("", @_) , "\n";
}

print join(" ", merge(
#print Data::Dumper -> Dump([
#    merge(
#    #[qw(a b c d       h i j)], # ancestor
#    #[qw(a b c d   f   h i j)], # left
#    #[qw(a b c   e   g      )], # right
  [qw(0 1 2 3 4 7 9 b)],
  [qw(0 6       8 a b)],
  [qw(0 1 2 3 5 8 a b)],
##
  {
     CONFLICT => sub ($$) { (
        q{<}, @{$_[0]}, q{|}, @{$_[1]}, q{>}
     ) },
  },
)), "\n";
```

```
#)]), "\n";
#print join(" ", @{
#    [qw(0 1 @ < 3 | # > 6)]
#  }), "\n";

1;
__END__


1;

__END__

=head1 NAME

Algorithm::Merge - Three-way merge and diff

=head1 SYNOPSIS

use Algorithm::Merge qw(merge diff3 traverse_sequences3);

@merged = merge(\@ancestor, \@a, \@b, {
            CONFLICT => sub { }
          });

@merged = merge(\@ancestor, \@a, \@b, {
            CONFLICT => sub { }
          }, $key_generation_function);

$merged = merge(\@ancestor,
 \@a, \@b, {
            CONFLICT => sub { }
          });

$merged = merge(\@ancestor, \@a, \@b, {
            CONFLICT => sub { }
          }, $key_generation_function);

@diff   = diff3(\@ancestor, \@a, \@b);

@diff   = diff3(\@ancestor, \@a, \@b, $key_generation_function);

$diff   = diff3(\@ancestor, \@a, \@b);

$diff   = diff3(\@ancestor, \@a, \@b, $key_generation_function);

@trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
            # callbacks
```

```
        });

@trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
            # callbacks
        }, $key_generation_function);

$trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
            # callbacks
        });

$trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
            # callbacks
        }, $key_generation_function);


=head1 USAGE

This module complements L<Algorithm::Diff|Algorithm::Diff> by
providing three-way merge and diff functions.

In this documentation,
 the first list to C<diff3>, C<merge>, and
C<traverse_sequences3> is
called the `original' list.  The second list is the `left' list.  The
third list is the `right' list.

The optional key generation arguments are the same as in
L<Algorithm::Diff|Algorithm::Diff>.  See L<Algorithm::Diff> for more
information.

=head2 diff3

Given references to three lists of items, C<diff3> performs a
three-way difference.

This function returns an array of operations describing how the
left and right lists differ from the original list.  In scalar
context, this function returns a reference to such an array.

Perhaps an example would be useful.

Given the following three lists,

 original: a b c   e f   h i   k
    left: a b   d e f g   i j k
   right: a b c d e     h i j k

   merge: a b   d e   g   i j k
```

we have the following result from diff3:

```
[ 'u', 'a',   'a',   'a' ],
[ 'u', 'b',   'b',   'b' ],
[ 'l', 'c',   undef, 'c' ],
[ 'o', undef, 'd',   'd' ],
[ 'u', 'e',   'e',
  'e' ],
[ 'r', 'f',   'f',   undef ],
[ 'o', 'h',   'g',   'h' ],
[ 'u', 'i',   'i',   'i' ],
[ 'o', undef, 'j',   'j' ],
[ 'u', 'k',   'k',   'k' ]
```

The first element in each row is the array with the difference:

c - conflict (no two are the same)
l - left is different
o - original is different
r - right is different
u - unchanged

The next three elements are the lists from the original, left,
and right arrays respectively that the row refers to (in the synopsis,
these are C<@ancestor>, C<@a>, and C<@b>, respectively).

=head2 merge

Given references to three lists of items, C<merge> performs a three-way
merge. The C<merge> function uses the C<diff3> function to do most of
the work.

The only callback currently used is C<CONFLICT> which should be a
reference to a subroutine that accepts two array references. The
first array reference is to a list of elements from the left list.
The second array reference is to a list of elements from the right list.
This callback
 should return a list of elements to place in the merged
list in place of the conflict.

The default C<CONFLICT> callback returns the following:

```
q{<!-- ------ START CONFLICT ------ -->},
(@left),
q{<!-- ---------------------------- -->},
(@right),
q{<!-- ------  END  CONFLICT ------ -->},
```

=head2 traverse_sequences3

This is the workhorse function that goes through the three sequences and calls the callback functions.

The following callbacks are supported.

=over 4

=item NO_CHANGE

This is called if all three sequences have the same element at the current position. The arguments are the current positions within each sequence, the first argument being the current position within the first sequence.

=item A_DIFF

This is called if the first sequence is different than the other two sequences at the current position.
This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the first sequence is not
 in either of the other two sequences.

If two arguments, then there is no element in the first sequence that corresponds to the elements at the given positions in the second and third sequences.

If three arguments, then the element at the given position in the first sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

=item B_DIFF

This is called if the second sequence is different than the other two sequences at the current position.
This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the second sequence is not in either of the other two sequences.

If two arguments, then there is no element in the second sequence that corresponds to the elements at the given positions in the first and third sequences.

If three arguments, then the element at the given position in the second
sequence is different than the corresponding
 element in the other two
sequences, but the other two sequences have corresponding elements.

=item C_DIFF

This is called if the third sequence is different than the other two
sequences at the current position.
This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the
third sequence is not in either of the other two sequences.

If two arguments, then there is no element in the third sequence that
corresponds to the elements at the given positions in the first and
second sequences.

If three arguments, then the element at the given position in the third
sequence is different than the corresponding element in the other two
sequences, but the other two sequences have corresponding elements.

=item CONFLICT

This is called if all three sequences have different elements at the
current position. The three arguments are the current positions within
each sequence.

=back 4

=head1 BUGS

Most assuredly
 there are bugs. If a pattern similar to the above
example does not work, send it to <jsmith@cpan.org> or report it on
<http://rt.cpan.org/>, the CPAN bug tracker.

L<Algorithm::Diff|Algorithm::Diff>'s implementation of
C<traverse_sequences> may not be symmetric with respect to the input
sequences if the second and third sequence are of different lengths.
Because of this, C<traverse_sequences3> will calculate the diffs of
the second and third sequences as passed and swapped. If the differences
are not the same, it will issue an `Algorithm::Diff::diff is not symmetric
for second and third sequences...' warning. It will try to handle
this, but there may be some cases where it can't.

=head1 SEE ALSO

L<Algorithm::Diff>.

=head1 AUTHOR

James G. Smith, <jsmith@cpan.org>

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

NAME
  Algorithm::Merge - Three-way merge and diff

SYNOPSIS
```
  use Algorithm::Merge qw(merge diff3 traverse_sequences3);

  @merged = merge(\@ancestor, \@a, \@b, {
              CONFLICT => sub { }
            });

  @merged = merge(\@ancestor, \@a, \@b, {
              CONFLICT => sub { }
            }, $key_generation_function);

  $merged = merge(\@ancestor, \@a, \@b, {
              CONFLICT => sub { }
            });

  $merged = merge(\@ancestor, \@a, \@b, {
              CONFLICT => sub { }
            }, $key_generation_function);

  @diff   = diff3(\@ancestor, \@a, \@b);

  @diff   = diff3(\@ancestor, \@a, \@b, $key_generation_function);

  $diff   = diff3(\@ancestor, \@a, \@b);

  $diff   = diff3(\@ancestor, \@a, \@b, $key_generation_function);
```

```
  @trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
              # callbacks

          });

  @trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
              # callbacks
            }, $key_generation_function);

  $trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
              # callbacks
            });

  $trav   = traverse_sequences3(\@ancestor, \@a, \@b, {
              # callbacks
            }, $key_generation_function);
```

USAGE

This module complements Algorithm::Diff by providing three-way merge and diff functions.

In this documentation, the first list to "diff3", "merge", and "traverse_sequences3" is called the `original' list. The second list is the `left' list. The third list is the `right' list.

The optional key generation arguments are the same as in Algorithm::Diff. See Algorithm::Diff for more information.

diff3

Given references to three lists of items, "diff3" performs a three-way difference.

This function returns an array of operations describing how the left and right lists differ from the original list. In scalar context, this function returns a reference to such an array.

Perhaps an example would be useful.

Given the following three lists,

```
  original: a b c   e f   h i   k
      left: a b   d e f g   i j k
     right: a b c d e     h i j k

     merge: a b   d e   g   i j k
```

we have the following result from diff3:

```
  [ 'u', 'a',   'a',   'a' ],
  [ 'u', 'b',   'b',   'b' ],
  [ 'l', 'c',   undef, 'c' ],
  [ 'o', undef, 'd',   'd' ],
  [ 'u', 'e',   'e',   'e' ],
  [ 'r', 'f',   'f',   undef ],
  [ 'o', 'h',   'g',   'h' ],
  [ 'u', 'i',   'i',   'i' ],
  [ 'o', undef, 'j',   'j' ],
  [ 'u', 'k',   'k',   'k' ]
```

The first element in each row is the array with the difference:

```
  c - conflict (no two are the same)
  l - left is different
  o - original is different
  r - right is different
  u - unchanged
```

The next three elements are the lists
from the original, left, and right
arrays respectively that the row refers to (in the synopsis, these are
@ancestor, @a, and @b, respectively).

merge
Given references to three lists of items, "merge" performs a three-way
merge. The "merge" function uses the "diff3" function to do most of the
work.

The only callback currently used is "CONFLICT" which should be a
reference to a subroutine that accepts two array references. The first
array reference is to a list of elements from the left list. The second
array reference is to a list of elements from the right list. This
callback should return a list of elements to place in the merged list in
place of the conflict.

The default "CONFLICT" callback returns the following:

```
  q{<!-- ------ START CONFLICT ------ -->},
  (@left),
  q{<!-- ---------------------------- -->},
  (@right),
  q{<!-- ------  END  CONFLICT ------ -->},
```

traverse_sequences3
This is the workhorse function

that goes through the three sequences and
calls the callback functions.

The following callbacks are supported.

NO_CHANGE
This is called if all three sequences have the same element at the current position. The arguments are the current positions within each sequence, the first argument being the current position within the first sequence.

A_DIFF
This is called if the first sequence is different than the other two sequences at the current position. This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the first sequence is not in either of the other two sequences.

If two arguments, then there is no element in the first sequence that corresponds to the elements at the given positions in the second and third sequences.

If three arguments, then the element at the given position in the first sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

B_DIFF
This is called if the second sequence is different than the other two sequences at the current position. This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the second sequence is not in either of the other two sequences.

If two arguments, then there is no element in the second sequence that corresponds to the elements at the given positions in the first and third sequences.

If three arguments, then the element at the given position in the second sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

C_DIFF
This is called if the third sequence

is different than the other two
sequences at the current position. This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the third sequence is not in either of the other two sequences.

If two arguments, then there is no element in the third sequence that corresponds to the elements at the given positions in the first and second sequences.

If three arguments, then the element at the given position in the third sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

CONFLICT
This is called if all three sequences have different elements at the current position. The three arguments are the current positions within each sequence.

BUGS
Most assuredly there are bugs. If a pattern similar to the above example does not work, send it to <jsmith@cpan.org> or report it on <http://rt.cpan.org/>, the CPAN bug tracker.

Algorithm::Diff's implementation of "traverse_sequences" may not be symmetric with respect to the input sequences if the second and third sequence are of different lengths. Because of this, "traverse_sequences3" will calculate the diffs of the second and third sequences as passed and swapped. If the differences are not the same, it will issue an `Algorithm::Diff::diff is not symmetric for second and third sequences...' warning. It will try to handle this, but there may be some cases where it can't.

SEE ALSO
Algorithm::Diff.

AUTHOR
James G. Smith, <jsmith@cpan.org>

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1.476 jetty 9.4.39.v20210325

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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

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

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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,
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1.477 jopt-simple 5.0.4

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* /jopt-simple-5-0-4-sources-8-jar/joptsimple/util/EnumConverter.java
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* /jopt-simple-5-0-4-sources-8-jar/joptsimple/AlternativeLongOptionSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionParserState.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/UnconfiguredOptionException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/AbstractOptionSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/MethodInvokingValueConverter.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionalArgumentOptionSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/util/DateConverter.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/util/RegexMatcher.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/ConstructorInvokingValueConverter.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionArgumentConversionException.java
*
 /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Classes.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/UnavailableOptionException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionDescriptor.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/ValueConversionException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionParser.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Reflection.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/UnrecognizedOptionException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Messages.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/NoArgumentOptionSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/ParserRules.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/RequiredArgumentOptionSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/ArgumentList.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/ValueConverter.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/SimpleOptionNameMap.java
*
 /jopt-simple-5-0-4-sources-8-jar/joptsimple/MultipleArgumentsForOptionException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Row.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/NonOptionArgumentSpec.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSpecBuilder.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/MissingRequiredOptionsException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/util/KeyValuePair.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/AbbreviationMap.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Rows.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Columns.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/IllegalOptionSpecificationException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Strings.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionMissingRequiredArgumentException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSet.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/ArgumentAcceptingOptionSpec.java
*
 /jopt-simple-5-0-4-sources-8-jar/joptsimple/util/InetAddressConverter.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionException.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/BuiltinHelpFormatter.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSpecTokenizer.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/ReflectionException.java

* /jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/OptionNameMap.java
* /jopt-simple-5-0-4-sources-8-jar/joptsimple/HelpFormatter.java

1.478 python-requests 2.26.0

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1.479 idna 13.0.0

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1.480 maven-artifact 3.8.1

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1.481 scala 2.13.6

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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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The End

1.486 runc 1.0.2

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<signature of Ty Coon>, 1 April 1989
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mpi/hppa1.1/udiv-qrnnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
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1.492 zookeeper-jute 3.6.3

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```

Found in path(s):

```
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/RccTokenManager.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/ParseException.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/Token.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/Rcc.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/TokenMgrError.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/RccConstants.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/generated/SimpleCharStream.java
```

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```
options {
STATIC=false;
}

PARSER_BEGIN(Rcc)
/**
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package org.apache.jute.compiler.generated;

import org.apache.jute.compiler.*;
import
 java.util.ArrayList;
import java.util.Hashtable;
import java.io.File;
import java.io.FileReader;
import java.io.FileNotFoundException;
import java.io.IOException;

@SuppressWarnings("unused")
public class Rcc {
  private static Hashtable<String, JRecord> recTab = new Hashtable<String, JRecord>();
  private static String curDir = System.getProperty("user.dir");
  private static String curFileName;
  private static String curModuleName;

  public static void main(String args[]) {
    String language = "java";
    ArrayList<String> recFiles = new ArrayList<String>();
    JFile curFile=null;

    for (int i=0; i<args.length; i++) {
      if ("-l".equalsIgnoreCase(args[i]) ||
        "--language".equalsIgnoreCase(args[i])) {
        language = args[i+1].toLowerCase();
        i++;
      } else {
        recFiles.add(args[i]);
      }
    }
    if (!"c++".equals(language) && !"java".equals(language)
 && !"c".equals(language)) {
      System.out.println("Cannot recognize language:" + language);
      System.exit(1);
```

```
    }
    if (recFiles.size() == 0) {
      System.out.println("No record files specified. Exiting.");
      System.exit(1);
    }
    for (int i=0; i<recFiles.size(); i++) {
      curFileName = recFiles.get(i);
      File file = new File(curFileName);
      try {
        curFile = parseFile(file);
      } catch (FileNotFoundException e) {
        System.out.println("File " + recFiles.get(i) + " Not found.");
        System.exit(1);
      } catch (ParseException e) {
        System.out.println(e.toString());
        System.exit(1);
      }
      System.out.println(recFiles.get(i) + " Parsed Successfully");
      try {
        curFile.genCode(language, new File("."));
      } catch (IOException e) {
        System.out.println(e.toString());
         System.exit(1);
      }
    }
  }

  public static JFile parseFile(File file) throws FileNotFoundException, ParseException {
    curDir = file.getParent();
    curFileName = file.getName();
    FileReader reader = new FileReader(file);
    try {
      Rcc parser = new Rcc(reader);
      recTab = new Hashtable<String, JRecord>();
      return parser.Input();
    } finally {
      try {
        reader.close();
      } catch (IOException e) {
      }
    }
  }
}

PARSER_END(Rcc)

SKIP :
{
```

```
 " "
| "\t"
| "\n"
| "\r"
}

SPECIAL_TOKEN :
{
 "//" : WithinOneLineComment
}

<WithinOneLineComment> SPECIAL_TOKEN :
{
 <("\n" | "\r" | "\r\n" )> : DEFAULT
}

<WithinOneLineComment> MORE :
{
 <~[]>
}

SPECIAL_TOKEN :
{
 "/*" : WithinMultiLineComment
}

<WithinMultiLineComment> SPECIAL_TOKEN :
{
 "*/" : DEFAULT
}

<WithinMultiLineComment> MORE :
{
 <~[]>
}

TOKEN :
{
  <MODULE_TKN:
 "module">
|  <RECORD_TKN: "class">
|  <INCLUDE_TKN: "include">
|  <BYTE_TKN: "byte">
|  <BOOLEAN_TKN: "boolean">
|  <INT_TKN: "int">
|  <LONG_TKN: "long">
|  <FLOAT_TKN: "float">
|  <DOUBLE_TKN: "double">
```

```
|  <USTRING_TKN: "ustring">
|  <BUFFER_TKN: "buffer">
|  <VECTOR_TKN: "vector">
|  <MAP_TKN: "map">
|  <LBRACE_TKN: "{">
|  <RBRACE_TKN: "}">
|  <LT_TKN: "<">
|  <GT_TKN: ">">
|  <SEMICOLON_TKN: ";">
|  <COMMA_TKN: ",">
|  <DOT_TKN: ".">
|  <CSTRING_TKN: "\"" ( ~["\""] )+ "\"">
|  <IDENT_TKN: ["A"-"Z","a"-"z"] (["a"-"z","A"-"Z","0"-"9","_"])*>
}

JFile Input() :
{
  ArrayList<JFile> ilist = new ArrayList<JFile>();
  ArrayList<JRecord> rlist = new ArrayList<JRecord>();
  JFile i;
  ArrayList <JRecord>l;
}
{
  (
     i = Include()
     { ilist.add(i); }
  |  l = Module()
     { rlist.addAll(l); }
  )+
  <EOF>
  { return new JFile(curFileName, ilist, rlist); }
}

JFile Include() :
{
  String fname;
  Token t;
}
{
  <INCLUDE_TKN>
   t = <CSTRING_TKN>
  {
     JFile ret = null;
     fname = t.image.replaceAll("^\"", "").replaceAll("\"$","");
     File file = new File(curDir, fname);
     String tmpDir = curDir;
     String tmpFile = curFileName;
     curDir = file.getParent();
```

```
      curFileName = file.getName();
      try {
         FileReader reader = new FileReader(file);
         Rcc parser = new Rcc(reader);
         try {
            ret = parser.Input();
            System.out.println(fname + " Parsed Successfully");
         } catch (ParseException e) {
            System.out.println(e.toString());
            System.exit(1);
         }
         try {
            reader.close();
         } catch (IOException e) {
         }
      } catch (FileNotFoundException e) {
         System.out.println("File " + fname +
            " Not found.");
         System.exit(1);
      }
      curDir = tmpDir;
      curFileName =
 tmpFile;
      return ret;
   }
}

ArrayList<JRecord> Module() :
{
  String mName;
  ArrayList<JRecord> rlist;
}
{
  <MODULE_TKN>
  mName = ModuleName()
  { curModuleName = mName; }
  <LBRACE_TKN>
  rlist = RecordList()
  <RBRACE_TKN>
  { return rlist; }
}

String ModuleName() :
{
  String name = "";
  Token t;
}
{
```

```
  t = <IDENT_TKN>
  { name += t.image; }
  (
     <DOT_TKN>
     t = <IDENT_TKN>
     { name += "." + t.image; }
  )*
  { return name; }
}

ArrayList<JRecord> RecordList() :
{
  ArrayList<JRecord> rlist = new ArrayList<JRecord>();
  JRecord r;
}
{
  (
     r = Record()
     { rlist.add(r); }
  )+
  { return rlist; }
}

JRecord Record() :
{
  String rname;
  ArrayList<JField> flist = new ArrayList<JField>();
  Token t;
  JField f;
}
{
  <RECORD_TKN>
  t = <IDENT_TKN>
  { rname = t.image; }
  <LBRACE_TKN>
  (
     f = Field()
     { flist.add(f); }
     <SEMICOLON_TKN>
  )+
  <RBRACE_TKN>
   {
     String fqn = curModuleName + "." + rname;
     JRecord r = new JRecord(fqn, flist);
     recTab.put(fqn, r);
     return r;
   }
}
```

```
JField Field() :
{
  JType jt;
  Token t;
}
{
  jt = Type()
  t = <IDENT_TKN>
  { return new JField(jt, t.image); }
}

JType Type() :
{
  JType jt;
  Token t;
  String rname;
}
{
  jt = Map()
  { return jt; }
| jt = Vector()
  { return jt; }
| <BYTE_TKN>
  { return new JByte(); }
| <BOOLEAN_TKN>
  { return new JBoolean(); }
| <INT_TKN>
  { return new JInt(); }
| <LONG_TKN>
  { return new JLong(); }
| <FLOAT_TKN>
  { return new JFloat(); }
| <DOUBLE_TKN>
  { return new JDouble(); }
| <USTRING_TKN>
  { return new JString(); }
| <BUFFER_TKN>
  { return new JBuffer(); }
| rname = ModuleName()
  {
    if (rname.indexOf('.', 0) < 0) {
      rname = curModuleName + "." + rname;
    }
    JRecord r = recTab.get(rname);
    if (r == null) {
      System.out.println("Type
```

```
 " + rname + " not known. Exiting.");
          System.exit(1);
      }
      return r;
  }
}

JMap Map() :
{
  JType jt1;
  JType jt2;
}
{
  <MAP_TKN>
  <LT_TKN>
  jt1 = Type()
  <COMMA_TKN>
  jt2 = Type()
  <GT_TKN>
  { return new JMap(jt1, jt2); }
}

JVector Vector() :
{
  JType jt;
}
{
  <VECTOR_TKN>
  <LT_TKN>
  jt = Type()
  <GT_TKN>
  { return new JVector(jt); }
}
```

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*/

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* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetSASLResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/QuorumPacket.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/ErrorTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/CreateTTLRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetMaxChildrenResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SyncResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/DeleteTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/MultiTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/data/Stat.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetEphemeralsResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/SetDataTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/TxnDigest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ErrorResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetChildrenResponse.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ReplyHeader.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetACLRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetWatches.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/RequestHeader.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetDataResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetEphemeralsRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/CreateRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetDataResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/Txn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CreateContainerTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CloseSessionTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ReconfigRequest.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetACLResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/data/StatPersisted.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/QuorumAuthPacket.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ConnectResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/SetACLTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/TxnHeader.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/data/ACL.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetMaxChildrenRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/WatcherEvent.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetDataRequest.java

* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/CheckWatchesRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/server/persistence/FileHeader.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ExistsResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/RemoveWatchesRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetSASLRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/CreateResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CreateSessionTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetDataRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetACLResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/data/Id.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetChildren2Response.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetACLRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetChildren2Request.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/DeleteRequest.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/AddWatchRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ConnectRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetSASLRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/LearnerInfo.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetChildrenRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/CheckVersionRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/SetMaxChildrenTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetMaxChildrenRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/ExistsRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/AuthPacket.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetAllChildrenNumberRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CheckVersionTxn.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/Create2Response.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SetWatches2.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/SyncRequest.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CreateTxnV0.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/GetAllChildrenNumberResponse.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/proto/MultiHeader.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CreateTxn.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/zookeeper/txn/CreateTTLTxn.java
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* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JavaGenerator.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JLong.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JCompType.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JFloat.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/Utils.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/CGenerator.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/CppGenerator.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JType.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/RecordReader.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/BinaryInputArchive.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/BinaryOutputArchive.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JMap.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JVector.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/Record.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JBuffer.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JField.java
*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JFile.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JBoolean.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JByte.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/CSharpGenerator.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JInt.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JDouble.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/InputArchive.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JString.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/Index.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/RecordWriter.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/compiler/JRecord.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/OutputArchive.java
* /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/ToStringOutputArchive.java
No license file was found, but licenses were detected in source scan.

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 */
```

Found in path(s):
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*
 /zookeeper-jute-3-6-3-sources-jar/org/apache/jute/package.html

1.493 mergo 0.3.12

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

1.494 packaging 21.0

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1.495 urllib3 1.26.7

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1.496 curl 7.58.0-2ubuntu3.16

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==========

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can lead to for end users.

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1.497 cpprest 2.10.2

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base64.cpp and base64.h

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md5.hpp is a reformulation of the md5.h and md5.c code from
http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c to allow it to
function as a component of a header only library. This conversion was done by
Peter Thorson (webmaster@zaphoyd.com) in 2012 for the WebSocket++ project. The
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ghost@aladdin.com

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<bjoern@hoehrmann.de>. See http://bjoern.hoehrmann.de/utf-8/decoder/dfa/ for
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1.508 opentracing-contrib-go-observer 0.0.0-20170622124052-a52f23424492

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1.509 go.uber.org/atomi 1.6.0

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1.516 modern-go-reflect2 1.0.1

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1.517 go-homedir 1.1.0

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1.518 exponent-io-jsonpath 0.0.0-20151013193312-d6023ce2651d

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1.519 modern-go-concurrent 0.0.0-20180306012644-bacd9c7ef1dd

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1.521 liggitt-tabwriter 0.0.0-20181228230101-89fcab3d43de

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1.522 go-wordwrap 1.0.0

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1.523 gofuzz 1.1.0

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1.524 cyphar-filepath-securejoin 0.2.2

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1.525 gogoprotobuf 1.2.1

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Protocol Buffers for Go with Gadgets

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

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1.526 prometheus-procfs 0.0.2

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procfs provides functions to retrieve system, kernel and process
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1.532 json-iterator-go 1.1.7

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io.helidon.config.yaml.internal.YamlConfigParser

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1.535 x-term 0.0.0-20210220032956-6a3ed077a48d

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1.536 logr 0.4.0

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1.542 netns 0.0.0-20191106174202-0a2b9b5464df

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1.543 gogoprotobuf 1.3.2

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Protocol Buffers for Go with Gadgets

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

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1.544 klauspost-compress 1.12.2

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1.545 grpc-go 1.38.0

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1.555 json-iterator-go 1.1.11

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1.557 go-yaml 3.0.0-20210107192922-496545a6307b

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1.558 go.uber.org/atomi 1.8.0

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1.561 google-go-cmp 0.5.6

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1.562 x-crypto 0.0.0-20210616213533-5ff15b29337e

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1.563 go-openapi-jsonpointer 0.19.5

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1.564 x-term 0.0.0-20201126162022-7de9c90e9dd1

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1.565 grpc-ecosystem-go-grpc-middleware 1.3.0

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1.567 golang-genproto 0.0.0-20210602131652-f16073e35f0c

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1.568 go-openapi-swag 0.19.14

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1.570 x-oauth2 0.0.0-20210402161424-2e8d93401602

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1.571 sanitized-anchor-name 1.0.0

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1.572 x-sync 0.0.0-20210220032951-036812b2e83c

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1.573 go-autorest-adal 0.9.13

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1.574 x-time-rate 0.0.0-20210723032227-1f47c861a9ac

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1.575 utils 0.0.0-20210819203725-bdf08cb9a70a

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1.576 evanphx-json-patch 4.11.0+incompatible

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1.577 form3tech-oss-jwt-go 3.2.3+incompatible

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1.578 prometheus-common 0.26.0

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1.579 google-go-cmp 0.5.5

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1.580 googleapis-gnostic 0.5.5

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1.581 spf13-pflag 1.0.5

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1.582 golang-glog 0.0.0-20160126235308-23def4e6c14b

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1.583 x-text 0.3.7

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1.584 google-uuid 1.3.0

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1.585 soheilhy-cmux 0.1.4

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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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1.598 x-crypto 0.0.0-20210421170649-83a5a9bb288b

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1.599 golang-genproto 0.0.0-20190819201941-24fa4b261c55

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1.600 go-sysconf 0.3.5

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1.601 easyjson 0.7.6

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1.602 go-asn1-ber-asn1-ber 1.5.1

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1.603 go-errors-errors 1.0.1

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1.606 go.uber.org/atomi 1.3.2

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1.607 gopkg-in/gorp 1.7.2

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1.608 hashicorp-uuid 1.0.1

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

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1.611 go-errors-errors 1.2.0

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1.613 gopkg-in/ldap 2.5.1

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1.614 flag 1.7.4-pre

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1.615 golang-glog 0.0.0-20210429001901-424d2337a529

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1.616 gopkg.in-asn1-ber 1.0.0-20181015200546-f715ec2f112d

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1.617 go-errors-errors 1.0.2

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1.618 grpc-websocket-proxy 0.0.0-20170815181823-89b8d40f7ca8

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1.620 go.uber.org/atomi 1.5.0

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1.621 helm 2.17.0+incompatible

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1.622 fiorix-go-diameter 3.0.2+incompatible

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#
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1.627 go-ldap-ldap 3.3.0

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1.628 go.etcd.io-bbolt 1.3.3

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1.629 trylock 0.0.0-20191027065348-ff7e133a5c54

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1.630 eapache-channels 1.1.0

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1.631 x-crypto 0.0.0-20210513164829-c07d793c2f9a

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1.632 monochromegane-go-gitignore 0.0.0-20200626010858-205db1a8cc00

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1.633 moby-spdystream 0.2.0

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1.634 treeprint 0.0.0-20181112141820-a009c3971eca

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1.635 x-sys 0.0.0-20210630005230-0f9fa26af87c

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1.638 prometheus-procfs 0.0.11

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1.639 go-uber-org-multierr 1.4.0

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1.640 golang-snappy 0.0.2

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1.641 fsnotify 1.4.9

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1.644 go-isatty 0.0.14

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1.646 modern-go-concurrent 0.0.0-20180228061459-e0a39a4cb421

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1.647 gotenv 1.2.0

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1.649 jwt-go 3.2.0+incompatible

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1.650 golang-snappy 0.0.1

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1.652 color 1.13.0

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1.653 mitchellh-mapstructure 1.4.1

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1.654 jcmturner-gokrb 7.3.0

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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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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
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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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Protocol Buffers for Go with Gadgets

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1.666 go-ping-ping 0.0.0-20210506233800-ff8be3320020

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1.668 x-sys 0.0.0-20210423185535-09eb48e85fd7

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1.669 go-unsnap-stream 0.0.0-20210130063903-47dfef350d96

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1.677 python-pip 21.3.1

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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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@(#) $RCSfile: certdata.txt,v $
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A. HISTORY OF THE SOFTWARE
==========

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
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2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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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
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the PSF.

All Python releases are Open Source (see http://www.opensource.org for
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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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1.680 kustomize-api 0.8.11

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1.682 kustomize-kyaml 0.11.0

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1.683 protobuf 1.27.1

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1.684 json-iterator-go 1.1.12

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1.685 modern-go-reflect2 1.0.2

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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 org.apache.tomcat:tomcat-jasper
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 org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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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

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
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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
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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

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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

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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

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
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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

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 org.apache.tomcat:tomcat-jasper-el
 org.apache.tomcat:tomcat-el-api

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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

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1.689 pkg-sftp 1.13.4

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1.690 ishidawataru-sctp 0.0.0-20210707070123-9a39160e9062

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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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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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 org.apache.tomcat:tomcat-jasper
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 org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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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

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
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 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

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* /jose4j-0-7-8-sources-jar/org/jose4j/lang/InvalidKeyException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/SelectorSupport.java
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* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/kdf/KdfUtil.java
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* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/NumericDateValidator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/JweCustomizer.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/SubValidator.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/JwtConsumer.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionParts.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/HmacKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/JsonWebEncryption.java
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* /jose4j-0-7-8-sources-jar/org/jose4j/lang/IntegrityException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionHelp.java
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* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/Use.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/JsonWebKeySet.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/resolvers/JwksDecryptionKeyResolver.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/keys/AesKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/RsaJsonWebKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/ByteUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/zip/CompressionAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/Validator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/kdf/PasswordBasedKeyDerivationFunction2.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/EcdhKeyAgreementAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwa/Algorithm.java
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* /jose4j-0-7-8-sources-jar/org/jose4j/jws/UnsecuredNoneAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/OctetSequenceJsonWebKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jca/ProviderContext.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/jwt/ReservedClaimNames.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jws/JsonWebSignatureAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/resolvers/DecryptionKeyResolver.java
* /jose4j-0-7-8-sources-jar/org/jose4j/base64url/Base64Url.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/JsonHelp.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/KeyManagementAlgorithmIdentifiers.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/ErrorCodeValidatorAdapter.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/PublicJsonWebKey.java
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* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/AudValidator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/EcJwkGenerator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/GeneralJwtException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/DirectKeyManagementAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/InvalidJwtException.java

* /jose4j-0-7-8-sources-jar/org/jose4j/json/JsonHeaderUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/PbkdfKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/resolvers/HttpsJwksVerificationKeyResolver.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/EllipticCurves.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/jwe/RsaKeyManagementAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/SimpleKeyResolver.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/JtiValidator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/EllipticCurveJsonWebKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jws/RsaUsingShaAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/IssValidator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/zip/DeflateRFC1951CompressionAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionKeys.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/InitializationVectorHelp.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/ByteGenerator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jws/JsonWebSignature.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/CipherUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/RsaJwkGenerator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/Pbes2HmacShaWithAesKeyWrapAlgorithm.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/jwk/KeyOperations.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmConstraints.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/BouncyCastleProviderHelp.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/AesCbcHmacSha2ContentEncryptionAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwx/HeaderParameterNames.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/resolvers/JwksVerificationKeyResolver.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/OctJwkGenerator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/SimpleAeadCipher.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/AesGcmKeyEncryptionAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmFactory.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/KeyPairUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionAlgorithmIdentifiers.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/resolvers/VerificationKeyResolver.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jws/BaseSignatureAlgorithm.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/JwtContext.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmFactoryFactory.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmInfo.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/JwtClaims.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/KeyManagementAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/HashUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/JsonWebKey.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/WrappingKeyManagementAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/UncheckedJoseException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/DefaultByteGenerator.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/JoseException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwx/JsonWebStructure.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/ErrorCodes.java

* /jose4j-0-7-8-sources-jar/org/jose4j/lang/StringUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionAlgorithm.java
*
 /jose4j-0-7-8-sources-jar/org/jose4j/jwe/AesGcmContentEncryptionAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/RsaKeyUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/UnresolvableKeyException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jws/EcdsaUsingShaAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwk/VerificationJwkSelector.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwt/NumericDate.java
* /jose4j-0-7-8-sources-jar/org/jose4j/lang/InvalidAlgorithmException.java
* /jose4j-0-7-8-sources-jar/org/jose4j/keys/X509Util.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionKeyDescriptor.java
* /jose4j-0-7-8-sources-jar/org/jose4j/json/JsonUtil.java
* /jose4j-0-7-8-sources-jar/org/jose4j/jws/HmacUsingShaAlgorithm.java
* /jose4j-0-7-8-sources-jar/org/jose4j/http/Get.java

1.696 icu 60.2-3ubuntu3.2

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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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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/SessionTracker.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/LeaderBean.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/ServerCnxnFactory.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/LeaderMXBean.java
*
 /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/DataTreeMXBean.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/LearnerSender.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/cli/CloseCommand.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/Shell.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/audit/ZKAuditProvider.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/util/AdHash.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/watch/IDeadWatcherListener.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/ObserverMXBean.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/common/KeyStoreLoader.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/common/ZKConfig.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/ReadOnlyZooKeeperServer.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/ZooTrace.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/common/FileKeyStoreLoader.java
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 /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/admin/ZooKeeperAdmin.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/ZookeeperBanner.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/ZooKeeperServerBean.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/auth/SASLAuthenticationProvider.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/command/TraceMaskCommand.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/command/WatchCommand.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/util/PemReader.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/util/AuthUtil.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/metric/AvgMinMaxPercentileCounterSet.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/LearnerHandler.java
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 /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/auth/SaslQuorumAuthServer.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/QuorumCnxManager.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/persistence/SnapShot.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/ZooKeeperMain.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/QuorumBean.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/watch/WatcherOrBitSet.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/common/KeyStoreFileType.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/ZooKeeperServerListener.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/SessionTrackerImpl.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/NettyServerCnxn.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/metrics/Summary.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/QuorumPeerMain.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/admin/DummyAdminServer.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/UnimplementedRequestProcessor.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/metric/AvgMinMaxCounter.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/ReadOnlyRequestProcessor.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/client/StaticHostProvider.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/quorum/Learner.java
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* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/util/CircularBuffer.java
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/zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/watch/WatcherModeManager.java
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*
 /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/watch/WatchesReport.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/Transaction.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/ZooKeeperServerConf.java

* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/OpResult.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/watch/WatchesSummary.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/MultiOperationRecord.java
* /zookeeper-3-6-3-sources-jar/org/apache/zookeeper/server/admin/CommandResponse.java
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1.700 gofrs-flock 0.8.1

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1.701 klauspost-compress 1.11.13

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1.702 hashicorp-uuid 1.0.2

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1.704 charset-normalizer 2.0.9

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* /netty-tcnative-classes-2-0-46-final-sources-jar/io/netty/internal/tcnative/CertificateRequestedCallback.java
* /netty-tcnative-classes-2-0-46-final-sources-jar/io/netty/internal/tcnative/SessionTicketKey.java
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* /netty-tcnative-classes-2-0-46-final-sources-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java
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* /netty-tcnative-classes-2-0-46-final-sources-jar/io/netty/internal/tcnative/SSLSessionCache.java
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* /netty-tcnative-classes-2-0-46-final-sources-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethod.java
* /netty-tcnative-classes-2-0-46-final-sources-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethodAdapter.java
*
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1.707 jetty-client 9.4.44.v20210927

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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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* 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
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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-api
 org.apache.tomcat:tomcat-util-scan
 org.apache.tomcat:tomcat-util

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 org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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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

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
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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

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1.710 systemd 237-3ubuntu10.53

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1.711 glib 2.56.4-0ubuntu0.18.04.9

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1.712 libseccomp 2.5.1-1ubuntu1~18.04.2

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1.713 x-term 0.0.0-20210615171337-6886f2dfbf5b

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1.714 openssl 1.1.1m

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1.715 grpc-go 1.43.0

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1.716 x-sys 0.0.0-20211216021012-1d35b9e2eb4e

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1.717 kubernetes-apimachinery 0.22.4

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1.718 kube-openapi 0.0.0-20211109043538-20434351676c

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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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//
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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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1.719 kubernetes-api 0.22.4

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1.720 properties 1.8.1

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1.726 kubernetes-kubectl 0.22.4

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{% endpanel %}

{% panel style="info", title="TL;DR" %}
- Copy files to and from Containers in a cluster
{% endpanel %}

Copying Container Files

Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

{% panel style="warning", title="Install Tar" %}
Copy requires that *tar* be installed in the container image.
{% endpanel %}

{% method %}
Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

{% sample lang="yaml" %}

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

{% endmethod %}

{% method %}
Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

{% sample lang="yaml"
 %}

```bash
```

kubectl cp <some-pod>:/tmp/foo /tmp/bar
```

{% endmethod %}

{% method %}
## Specify the Container

Specify the Container within a Pod running multiple containers.

- `-c <container-name>`

{% sample lang="yaml" %}

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

{% endmethod %}

{% method %}
Namespaces

Set the Pod namespace by prefixing the Pod name with `<namespace>/` .

- `<pod-namespace>/<pod-name>:<path>`

{% sample lang="yaml" %}

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

{% endmethod %}

1.727 apiextensions-apiserver 0.22.4

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers.

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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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1.735 zookeeper 3.6.3-1.ph4

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1.736 supervisor 4.2.4

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1.737 go-colorable 0.1.12

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```
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// Package cobra is a commander providing a simple interface to create powerful modern CLI interfaces.
// In addition to providing an interface, Cobra simultaneously provides a controller to organize your application
code.
```

1.740 cobra 1.2.1

1.740.1 Available under license :

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```
'''Class to used to throttle function calls, so that something isn't called too
often

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'''

from datetime import datetime, timedelta


class Throttle(object):
  def __init__(self,
```

```
            seconds: int = 1,
            minutes: int = 0,
            hours: int = 0) -> None:
        self.throttle_period = timedelta(
            seconds=seconds, minutes=minutes, hours=hours
        )
        self.time_of_last_call = datetime.min

    def exceedRate(self) -> bool:
        now = datetime.now()
        time_since_last_call = now - self.time_of_last_call

        if time_since_last_call > self.throttle_period:
            self.time_of_last_call = now
            return False
        else:
            return True
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/throttle.py
No license file was found, but licenses were detected in source scan.

```
'''Types used by cobra, used by mypy

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'''

from typing import Any, Dict

JsonDict = Dict[str, Any]
YamlDict = Dict[str, Any]
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/cobra_types.py
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```
'''Subscribe to a channel

Copyright (c) 2018-2019 Machine Zone, Inc. All rights reserved.
'''

import asyncio
import json

import click
import uvloop

from cobras.client.client import subscribeClient
```

```
from cobras.client.credentials import (createCredentials, getDefaultRoleForApp,
                                       getDefaultSecretForApp)
from cobras.common.apps_config import PUBSUB_APPKEY
from cobras.common.superuser import preventRootUsage
from cobras.common.throttle import Throttle

DEFAULT_URL = f'ws://127.0.0.1:8765/v2?appkey={PUBSUB_APPKEY}'


class MessageHandlerClass:
  def __init__(self, websockets, args):
      self.cnt = 0
      self.cntPerSec = 0
      self.throttle = Throttle(seconds=1)
      self.verbose = args['verbose']

  async def on_init(self):
      pass

  async def handleMsg(self, msg: str) -> bool:
      self.cnt += 1
      self.cntPerSec += 1

      if self.verbose >=
 1:
          data = json.loads(msg)
          body = data['body']
          message = body['messages'][0]
          position = body['position']
          print(f'{message} at position {position}')

      if self.throttle.exceedRate():
          return True

      print(f"#messages {self.cnt} msg/s {self.cntPerSec}")
      self.cntPerSec = 0

      return True


@click.command()
@click.option('--url', default=DEFAULT_URL)
@click.option('--role', default=getDefaultRoleForApp('pubsub'))
@click.option('--secret', default=getDefaultSecretForApp('pubsub'))
@click.option('--channel', default='sms_republished_v1_neo')
@click.option('--position')
@click.option('--verbose', '-v', count=True)
@click.option('--stream_sql')
```

```
def subscribe(url, role, secret, channel, position, stream_sql, verbose):
  '''Subscribe to a channel
  '''

  preventRootUsage()
  uvloop.install()

  credentials = createCredentials(role, secret)

  asyncio.get_event_loop().run_until_complete(
        subscribeClient(url, credentials, channel, position,
                        stream_sql, MessageHandlerClass,
                        {'verbose': verbose}))
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/subscribe.py
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```
'''Publish to a channel

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'''

import asyncio
import functools
import json

import click
import uvloop

from cobras.client.client import client
from cobras.client.credentials import (createCredentials, getDefaultRoleForApp,
                                       getDefaultSecretForApp)
from cobras.common.apps_config import ADMIN_APPKEY
from cobras.common.superuser import preventRootUsage

DEFAULT_URL = f'ws://127.0.0.1:8765/v2?appkey={ADMIN_APPKEY}'


async def clientCallback(websocket, **args):
  method = args['method']
  params = args.get('params')
  params = json.loads(params)

  pdu = {
     "action": "rpc/admin",
     "id": 1,
     "body": {
```

```
        "method": method,
        "params": params
      }
    }

    await websocket.send(json.dumps(pdu))

    response = await websocket.recv()
    print(response)


async def start(url,
 credentials, verbose, method, params):
    callback = functools.partial(clientCallback,
                                 verbose=verbose,
                                 method=method,
                                 params=params)

    task = asyncio.create_task(
        client(url, credentials, callback))
    await task


@click.command()
@click.option('--url', default=DEFAULT_URL)
@click.option('--role', default=getDefaultRoleForApp('admin'))
@click.option('--secret', default=getDefaultSecretForApp('admin'))
@click.option('--verbose', is_flag=True)
@click.option('--method', default='close_all')
@click.option('--params', default='{}')
def admin(url, role, secret, verbose, method, params):
    '''Admin

    \b
    cobra admin --method toggle_file_logging --params '{"connection_id": ".."}'
    '''

    preventRootUsage()
    uvloop.install()

    credentials = createCredentials(role, secret)

    asyncio.get_event_loop().run_until_complete(start(url, credentials,

                                    verbose, method, params))
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/admin.py

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```
'''Capture memory usage

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'''

import os

import psutil

from cobras.common.memoize import memoize


@memoize
def getContainerMemoryLimit():
  '''In bytes'''

  path = '/sys/fs/cgroup/memory/memory.limit_in_bytes'
  if not os.path.exists(path):
     return psutil.virtual_memory().total
  else:
     with open(path) as f:
        mem = f.read()
        return int(mem)


def getProcessUsedMemory():
  p = psutil.Process()
  return p.memory_info().rss
```

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* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/memory_usage.py
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```
'''djb2 hash (unsused)

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'''


def djb2Hash(data):
  '''Return a 32 bits digest'''

  hash = 5381
  for x in data:
     hash = ((hash << 5) + hash) + ord(x)
  return hash & 0xFFFFFFFF
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/djb2_hash.py
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```
'''Setup cobra

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'''
import click

from cobras.common.apps_config import AppsConfig, getDefaultAppsConfigPath
from cobras.common.superuser import preventRootUsage


@click.command()
def init():
  '''Setup cobra
  '''

  preventRootUsage()

  path = getDefaultAppsConfigPath()
  appsConfig = AppsConfig(path)
  appsConfig.generateDefaultConfig()
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/init.py
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```
'''Bot

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'''

import click

from cobras.bavarde.bot.bot import runBot


@click.command()
def bot():
  '''Bot
  '''

  runBot()
```

Found in path(s):

* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/bavarde/runner/bot.py
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```
'''Small class to record data attached to a connection

FIXME: use this to enforce publish+subscribe permissions.

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'''

import uuid


class ConnectionState:
  def __init__(self, appkey):
    self.appkey = appkey

    self.connection_id = uuid.uuid4().hex[:8]
    self.subscriptions = {}
    self.ok = True
    self.role = 'na'
    self.authenticated = False
    self.permissions = []

    self.nonce = None
    self.error = 'na'

    self.path = f'/tmp/log_{self.connection_id}'
    self.fileLogging = False

  def log(self, msg):
    log = f"[{self.connection_id}::{self.role}] {msg}"
    print(log)

    if self.fileLogging:
      with open(self.path, 'a') as f:
        f.write(log + '\n')
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/server/connection_state.py
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```
'''Run the cobra frontend

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'''

import os
```

```
import click
import sentry_sdk
import uvloop

from cobras.common.apps_config import getDefaultAppsConfigPath
from cobras.common.superuser import preventRootUsage
from cobras.server.app import AppRunner


@click.command()
@click.option('--host', envvar='COBRA_HOST', default='127.0.0.1',
          help='Binding host address. Set to 0.0.0.0 in prod environments')
@click.option('--port', envvar='COBRA_PORT', default='8765')
@click.option('--redis_urls', envvar='COBRA_REDIS_URLS',
          default='redis://localhost;redis://localhost')
@click.option('--redis_password', envvar='COBRA_REDIS_PASSWORD')
@click.option('--apps_config_path', envvar='COBRA_APPS_CONFIG',
          default=getDefaultAppsConfigPath())
@click.option('--verbose', envvar='COBRA_VERBOSE', is_flag=True)
@click.option('--prod', envvar='COBRA_PROD',
 is_flag=True)
@click.option('--plugins', envvar='COBRA_PLUGINS')
@click.option('--debug_memory', envvar='COBRA_DEBUG_MEMORY', is_flag=True)
@click.option('--sentry', envvar='COBRA_SENTRY', is_flag=True)
@click.option('--sentry_url', envvar='COBRA_SENTRY_URL')
@click.option('--no_stats', envvar='COBRA_NO_STATS', is_flag=True)
@click.option('--max_subscriptions', envvar='COBRA_MAX_SUSBSCRIPTIONS',
          default=-1)
@click.option('--idle_timeout', envvar='COBRA_IDLE_TIMEOUT',
          default=5 * 60,
          help='idle connections kicked out after X seconds')
def run(host, port, redis_urls, redis_password,
      apps_config_path, verbose, debug_memory, plugins,
      sentry, sentry_url, prod, no_stats, max_subscriptions, idle_timeout):
  '''Run the cobra server

  \b
  cobra run --redis_urls 'redis://localhost:7001;redis://localhost:7002'
  \b
  env COBRA_REDIS_PASSWORD=foobared cobra run
  '''
  if prod:
     os.environ['COBRA_PROD'] =
 '1'

  preventRootUsage()
  uvloop.install()
```

```
  if sentry and sentry_url:
     sentry_sdk.init(sentry_url)

  print('runServer', locals())
  runner = AppRunner(host, port, redis_urls,
                     redis_password, apps_config_path,
                     verbose, debug_memory, plugins,
                     not no_stats, max_subscriptions, idle_timeout)
  runner.run()
```

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* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/run.py
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* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/bavarde/runner/client.py
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/server/redis_kv_store.py
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```
'''Generate secrets used for authentication

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'''

import click

from cobras.common.apps_config import genSecret
from cobras.common.superuser import preventRootUsage


@click.command()
def secret():
  '''
  Generate secrets used for authentication

  \b
  cobra secret
  '''

  preventRootUsage()

  secret = genSecret()
  print(secret)
```

Found in path(s):

* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/secret.py
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'''Bavarde main driver.
  Calls into sub commands like git.

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'''

from pkgutil import walk_packages

import click
import coloredlogs

coloredlogs.install(level='WARNING')

@click.group()
@click.version_option()
def main():
  """\b

Bavarde is a chat app written on top of cobra
"""

for loader, module_name, is_pkg in walk_packages(__path__, __name__ + '.'):
  module = __import__(module_name, globals(), locals(), ['__name__'])
  cmd = getattr(module, module_name.rsplit('.', 1)[-1])
  if isinstance(cmd, click.Command):
    main.add_command(cmd)

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/bavarde/runner/__init__.py
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'''Tools used when running as superuser (which we should almost never do)

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'''

import os
import sys

import click

```
def preventRootUsage():
  ''' Make sure a root user cannot run this command'''

  if os.geteuid() == 0:
     msg = 'Cobra cannot be run as root / sudo. Exiting'
     click.secho(msg, fg='red')
     sys.exit(1)
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/superuser.py
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```
'''Utility for batch publishing.

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FIXME: Should be renamed
'''

import json


def computeEventTimeDeltas(events: str) -> list:

  lines = events.splitlines()
  N = len(lines)
  assert N > 0, 'event list should not be empty'

  events = [json.loads(line) for line in lines]

  deltas = []
  for i in range(1, N):
     previousTs = events[i - 1]['timestamp']
     currentTs = events[i]['timestamp']
     delta = currentTs - previousTs

     deltas.append((lines[i - 1], delta))

  deltas.append((lines[N-1], 0))

  return deltas
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/client/publish.py
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```
'''Memoization decorator for functions taking one or more arguments.
```

```
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'''


def memoize(f):
  """Memoization decorator for functions taking one or more arguments."""

  class Memodict(dict):
    '''Helper class derived from dict'''

    def __init__(self, f):
      '''Constructor'''

      dict.__init__(self)
      self.f = f

    def __call__(self, *args):
      '''Call function'''

      return self[args]

    def __missing__(self, key):
      '''Missing method'''

      ret = self[key] = self.f(*key)
      return ret

  return Memodict(f)

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/memoize.py
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'''Monitor cobra

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'''

import click
import uvloop

from cobras.client.credentials import (createCredentials, getDefaultRoleForApp,
                                       getDefaultSecretForApp)
from cobras.client.monitor import runMonitor
from cobras.common.apps_config import STATS_APPKEY
from cobras.common.superuser import preventRootUsage

DEFAULT_URL = f'ws://127.0.0.1:8765/v2?appkey={STATS_APPKEY}'
```

```
@click.command()
@click.option('--url', default=DEFAULT_URL)
@click.option('--role', default=getDefaultRoleForApp('stats'))
@click.option('--secret', default=getDefaultSecretForApp('stats'))
@click.option('--raw', is_flag=True)
@click.option('--hide_nodes', is_flag=True)
@click.option('--hide_roles', is_flag=True)
@click.option('--subscribers', is_flag=True)
@click.option('--role_filter')
@click.option('--system', is_flag=True)
def monitor(url, role, secret,
 raw, role_filter, hide_nodes, hide_roles, subscribers, system):
  '''Monitor cobra
  '''

  preventRootUsage()
  uvloop.install()

  credentials = createCredentials(role, secret)
  runMonitor(url, credentials, raw, role_filter,
          not hide_nodes, not hide_roles, subscribers, system)
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/monitor.py
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```
'''Handle credential files

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'''

import os

from cobras.common.apps_config import AppsConfig, getDefaultAppsConfigPath


def createCredentials(role, secret):
  return {'role': role, 'secret': secret}


def getDefaultRoleForApp(app) -> str:
  path = os.getenv('COBRA_APPS_CONFIG', getDefaultAppsConfigPath())
  appsConfig = AppsConfig(path)
  return appsConfig.getDefaultRoleForApp(app)
```

```
def getDefaultSecretForApp(app) -> str:
  path = os.getenv('COBRA_APPS_CONFIG', getDefaultAppsConfigPath())
  appsConfig = AppsConfig(path)
  return appsConfig.getDefaultSecretForApp(app)
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/client/credentials.py
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```
'''Subscribe to a channel

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'''

import click
import uvloop

from cobras.common.superuser import preventRootUsage
from cobras.common.throttle import Throttle
from cobras.server.redis_connections import RedisConnections
from cobras.server.redis_subscriber import (RedisSubscriberMessageHandlerClass,
                                            runSubscriber)


class MessageHandlerClass(RedisSubscriberMessageHandlerClass):
  def __init__(self, obj):
    self.cnt = 0
    self.cntPerSec = 0
    self.throttle = Throttle(seconds=1)

  def log(self, msg):
    print(msg)

  async def on_init(self, redisConnection):
    pass

  async def handleMsg(self, msg: str, position: str,
                      payloadSize: int) -> bool:
    self.cnt += 1
    self.cntPerSec += 1

    if self.throttle.exceedRate():
      return True

     print(f"#messages {self.cnt} msg/s {self.cntPerSec}")
    self.cntPerSec = 0

    return True
```

```
@click.command()
@click.option('--redis_urls', default='redis://localhost')
@click.option('--redis_password')
@click.option('--channel')
@click.option('--appkey')
@click.option('--position')
def redis_subscribe(redis_urls, redis_password, channel, position, appkey):
  '''Subscribe to a channel

  \b
  cobra subscribe --redis_urls redis://localhost:7379 --channel foo --appkey bar  # noqa

  \b
  cobra subscribe --redis_urls redis://redis:6379 --channel foo --appkey bar
  [From a bench container]

  \b
  cobra subscribe --redis_urls 'redis://localhost:7001;redis://localhost:7002' --channel foo --appkey bar  # noqa
  '''

  preventRootUsage()
  uvloop.install()

  appChannel = '{}::{}'.format(appkey, channel)
  redisConnections = RedisConnections(redis_urls, redis_password)
  runSubscriber(redisConnections, appChannel, position, MessageHandlerClass)

Found
 in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/runner/redis_subscribe.py
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'''Publish jobs gets enqueued into a multi-publisher, which publish them
to redis in a batch fashion, using a pipeline.

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https://redis.io/topics/pipelining
Weird leaks https://bugs.python.org/issue31620
'''

import asyncio


class PipelinedPublisher():
  def __init__(self, redis, batchSize=None):
```

```
        self.redis = redis
        self.queue = asyncio.Queue()
        self.batchSize = batchSize or 100
        self.lock = asyncio.Lock()

        self.xaddMaxLength = 1000

    async def publishAll(self):
        pipe = self.redis.pipeline()
        async with self.lock:
            while True:
                try:
                    job = self.queue.get_nowait()
                except asyncio.QueueEmpty:
                    break
                else:
                    self.publish(pipe, job)
                    self.queue.task_done()

        await pipe.execute()

     def enqueue(self, job):
        self.queue.put_nowait(job)

    def publish(self, pipe, job):
        appkey, channel, data = job
        appChannel = '{}::{}'.format(appkey, channel)
        pipe.xadd(appChannel, {'json': data},
                  max_len=self.xaddMaxLength, exact_len=False)

    async def publishNow(self, job):
        async with self.lock:
            pipe = self.redis.pipeline()
            self.publish(pipe, job)
            await pipe.execute()

    async def push(self, job, batchPublish=False):
        if not batchPublish:
            await self.publishNow(job)
            return

        self.enqueue(job)

        if self.queue.qsize() >= self.batchSize:
            await self.publishAll()
```

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/server/pipelined_publisher.py

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'''Compute our version number

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'''

import pkg_resources

from cobras.common.memoize import memoize

def getVersion():
  '''Get our own version using pkg_resources'''

  return pkg_resources.get_distribution("cobras").version

Found in path(s):
* /cobras-1-2-1-tar-gz/cobras-1.2.1/cobras/common/version.py

1.741 x-oauth2 0.0.0-20211104180415-d3ed0bb246c8

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1.742 lib-pq 1.10.4

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```
//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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1.743 dom 1.0

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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.
*/
/**
    * 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
    */
```

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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/models/XSCMValidator.java
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```
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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 Declrations Consistent.
    */

Found in path(s):
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 /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDKeyrefTraverser.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/DateDV.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/DateTimeDV.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/MonthDayDV.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/TimeDV.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSAttributeChecker.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/YearMonthDV.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/XSModelGroupImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/XSSimpleTypeDecl.java
*
 /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDHandler.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/DayDV.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/msg/DOMMessages.properties
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/msg/XPointerMessages.properties
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/msg/DatatypeMessages.properties
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xpath/regex/message_fr.properties
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/msg/SAXMessages.properties
*
 /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/msg/XIncludeMessages.properties
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xpath/regex/message_ja.properties
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASObject.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/CharacterDataEditAS.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMImplementationAS.java
*
 /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASModel.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DocumentAS.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASElementDeclaration.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASEntityDeclaration.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASNamedObjectMap.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASDataType.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASContentModel.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMASWriter.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/ASObjectList.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom3/as/DOMASBuilder.java
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*
 /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xni/parser/XMLErrorHandler.java
* /xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLFrameElementImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/XMLEntityDescriptionImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/ShadowedSymbolTable.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/util/ObjectListImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLImgElementImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLOptgroupElement.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xni/parser/XMLInputSource.java
* /xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLImgElement.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLTimerElementImpl.java
*
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dv/xs/AnySimpleDV.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/StringList.java
* /xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLTimerElement.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/SchemaDOMImplementation.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/DefaultXMLDocumentHandler.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/DeferredElementImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/wml/WMLAnchorElement.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xml/serialize/HTMLSerializer.java
* /xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLHtmlElementImpl.java
*
 /xercesimpl-2-12-0-sources-jar/org/apache/xerces/stax/DefaultNamespaceContext.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xinclude/MultipleScopeNamespaceSupport.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/xs/opti/SchemaParsingConfig.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/impl/dtd/XML11NSDTDValidator.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xpointer/XPointerMessageFormatter.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/XSException.java
* /xercesimpl-2-12-0-sources-jar/org/apache/wml/dom/WMLMetaElementImpl.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/EncodingMap.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xinclude/XIncludeTextReader.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/stax/events/EntityDeclarationImpl.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/ItemPSVI.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/URI.java
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 /xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLObjectElementImpl.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/html/dom/HTMLBuilder.java
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* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/xs/datatypes/XSQName.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/dom/NodeIteratorImpl.java
* /xercesimpl-2-12-0-sources-jar/org/apache/xerces/util/DefaultErrorHandler.java
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*/
/**
  * DOM Level 3 LS CR - Experimental.
    * Create a new <code>LSParser</code>. The newly constructed parser may
    *
 then be configured by means of its <code>DOMConfiguration</code>
    * object, and used to parse documents by means of its <code>parse</code>
    * method.
    * @param mode The <code>mode</code> argument is either
    *   <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
    *   <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
    *   <code>LSParser</code> that is created will operate in synchronous
    *   mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
    *   <code>LSParser</code> 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 <code>Document</code> using the
    *   newly created <code>LSParser</code>. Note that no lexical checking
    *   is done on the absolute URI. In order to create a

```
    *   <code>LSParser</code> for any kind of schema types (i.e. the
    *   LSParser will be free to use any schema
 found), use the value
    *   <code>null</code>.
    * <p ><b>Note:</b>    For W3C XML Schema [<a href='http://www.w3.org/TR/2001/REC-xmlschema-1-
20010502/'>XML Schema Part 1</a>]
    *   , applications must use the value
    *   <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD [<a
href='http://www.w3.org/TR/2000/REC-xml-20001006'>XML 1.0</a>],
    *   applications must use the value
    *   <code>"http://www.w3.org/TR/REC-xml"</code>. 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 <code>LSParser</code> object. This
    *   <code>LSParser</code> is either synchronous or asynchronous
    *   depending on the value of the <code>mode</code> argument.
    * <p ><b>Note:</b>    By default, the newly created <code>LSParser</code>
    *    does not contain a <code>DOMErrorHandler</code>, i.e. the value of
    *   the "<a href='http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-
handler'>
     *   error-handler</a>" configuration parameter is <code>null</code>. However, implementations
    *   may provide a default error handler at creation time. In that case,
    *   the initial value of the <code>"error-handler"</code> configuration
    *   parameter on the new created <code>LSParser</code> contains a
    *   reference to the default error handler.
    * @exception DOMException
    *    NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
    *   not supported.
  */
```

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1.744 logback-access 1.2.3

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1.746 argparse 0.8.1

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* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/FileArgumentType.java
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* /argparse4j-0-8-1-sources-

jar/net/sourceforge/argparse4j/impl/type/CaseInsensitiveEnumNameArgumentType.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/EnumStringArgumentType.java
* /argparse4j-0-8-1-sources-
jar/net/sourceforge/argparse4j/impl/type/CaseInsensitiveEnumStringArgumentType.java
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* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/ArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/helper/PrefixPattern.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/SubparserImpl.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/ConstructorArgumentType.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/ArgumentGroup.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/VersionArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/UnrecognizedArgumentException.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/Subparsers.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/AppendConstArgumentAction.java
*
 /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/annotation/Arg.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/UnrecognizedCommandException.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/ArgumentType.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/helper/CJKTextWidthCounter.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/helper/TextWidthCounter.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/StoreArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/Namespace.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/StoreFalseArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/FeatureControl.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/choice/CollectionArgumentChoice.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/ArgumentChoice.java
*
 /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/ArgumentGroupImpl.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/FileVerification.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/EnumArgumentType.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/ArgumentParserException.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/Subparser.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/helper/ASCIITextWidthCounter.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/helper/ReflectHelper.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/ParseState.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/helper/TextHelper.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/StoreTrueArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/ArgumentParsers.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/SubparsersImpl.java
*

/argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/Argument.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/internal/ArgumentParserImpl.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/choice/RangeArgumentChoice.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/Arguments.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/AppendArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/StringArgumentType.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/inf/ArgumentParser.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/HelpArgumentAction.java
* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/action/StoreConstArgumentAction.java
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* /argparse4j-0-8-1-sources-jar/net/sourceforge/argparse4j/impl/type/ReflectArgumentType.java
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1.747 simpleclient 0.9.0

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* /simpleclient-0-9-0-sources-jar/io/prometheus/client/Striped64.java
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*/

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1.748 jackson-datatype-guava 2.9.10

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1.749 simpleclient-servlet 0.9.0

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1.750 jackson-module-afterburner 2.9.10

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1.751 generex 1.0.2

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 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
 <modelVersion>4.0.0</modelVersion>
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 <artifactId>generex</artifactId>
 <version>1.0.2</version>
 <name>Generex</name>
 <url>https://github.com/mifmif/Generex/tree/master</url>
 <description>Generex A Java Library for regex to Strings generation</description>

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 <license>
  <name>The Apache Software License, Version 2.0</name>
  <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
  <distribution>repo</distribution>
 </license>
</licenses>
<developers>
 <developer>
  <id>mifmif</id>
  <name>MIFRAH Youssef</name>
  <email>mifmif.com@gmail.com</email>
 </developer>
 <developer>
  <id>mkolisnyk</id>
  <name>mkolisnyk</name>
  <email>kolesnik.nickolay@gmail.com</email>
 </developer>
</developers>

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 <artifactId>oss-parent</artifactId>
 <version>7</version>
</parent>

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

```
 </notifiers>
</ciManagement>

<distributionManagement>
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  <id>ossrh</id>
  <url>https://oss.sonatype.org/content/repositories/snapshots</url>
 </snapshotRepository>
 <repository>
  <id>ossrh</id>
  <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
 </repository>
</distributionManagement>


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

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 <configuration>
  <source>1.5</source>
  <target>1.5</target>
 </configuration>
</plugin>
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 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-jar-plugin</artifactId>
 <version>3.0.2</version>
 <configuration>
  <excludes>
   <exclude>*</exclude>
   <exclude>com/thoughtworks/**/*</exclude>
   <exclude>freemarker/**/*</exclude>
   <exclude>ftl/**/*</exclude>
   <exclude>i18n/**/*</exclude>
   <exclude>style/**/*</exclude>
   <exclude>junit/**/*</exclude>
   <exclude>licenses/**/*</exclude>
   <exclude>META-INF/maven/**/*</exclude>
   <exclude>org/codehaus/**/*</exclude>
   <exclude>org/hamcrest/**/*</exclude>
   <exclude>org/jbehave/**/*</exclude>
   <exclude>org/junit/**/*</exclude>
   <exclude>org/testng/**/*</exclude>
   <exclude>org/xmlpull/**/*</exclude>
   <exclude>stories/**/*</exclude>
   <exclude>style/**/*</exclude>
   <exclude>tests/**/*</exclude>
  </excludes>
  <archive>
   <manifest>
    <addClasspath>false</addClasspath>
    <addDefaultImplementationEntries>true</addDefaultImplementationEntries>
    <addDefaultSpecificationEntries>true</addDefaultSpecificationEntries>
    <addExtensions>false</addExtensions>
    <classpathLayoutType>simple</classpathLayoutType>
   </manifest>
  </archive>
 </configuration>
</plugin>
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  <version>2.6</version>
  <configuration>
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    <descriptor>./sources.xml</descriptor>
   </descriptors>
  </configuration>
 </plugin>
 <plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-dependency-plugin</artifactId>
  <version>2.10</version>
 </plugin>
 <plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>2.10.3</version>
  <configuration>
   <show>private</show>
   <nohelp>false</nohelp>
   <failOnError>false</failOnError>
   <sourcepath>src/main/java</sourcepath>
  </configuration>
 </plugin>
 <plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-release-plugin</artifactId>
  <configuration>
   <tagNameFormat>v@{project.version}</tagNameFormat>
   <preparationGoals>package
install:install-file</preparationGoals>
   <scmCommentPrefix>#3</scmCommentPrefix>
  </configuration>
 </plugin>
 <plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
   <skip>true</skip>
  </configuration>
 </plugin>


 <plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
```

```
 <version>3.0.1</version>
 <executions>
  <execution>
   <goals>
    <goal>jar-no-fork</goal>
   </goals>
  </execution>
 </executions>
</plugin>


<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-javadoc-plugin</artifactId>
 <executions>
  <execution>
   <id>attach-javadocs</id>
   <goals>
    <goal>jar</goal>
   </goals>
  </execution>
 </executions>
</plugin>


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


</plugin>


<plugin>
 <groupId>org.sonatype.plugins</groupId>
 <artifactId>nexus-staging-maven-plugin</artifactId>
 <version>1.6.3</version>
 <executions>
  <execution>
```

```
  <id>default-deploy</id>
  <phase>deploy</phase>
  <goals>
   <goal>deploy</goal>
  </goals>
 </execution>
</executions>
<extensions>true</extensions>
<configuration>
 <serverId>ossrh</serverId>
 <nexusUrl>https://oss.sonatype.org/</nexusUrl>
</configuration>
</plugin>
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-pmd-plugin</artifactId>
 <version>3.6</version>
 <configuration>
  <failOnViolation>true</failOnViolation>
  <excludeRoots>
   <excludeRoot>target/generated-sources/plugin</excludeRoot>
  </excludeRoots>
  <excludes>
   <exclude>**/HelpMojo.java</exclude>
  </excludes>
 </configuration>
 <executions>
  <execution>
   <goals>
    <goal>check</goal>
    <goal>cpd-check</goal>
   </goals>
   <configuration>
    <failOnViolation>true</failOnViolation>
    <excludes>
     <exclude>**/HelpMojo.java</exclude>
    </excludes>
   </configuration>
  </execution>
 </executions>
</plugin>
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-checkstyle-plugin</artifactId>
 <version>2.10</version>
 <configuration>
  <excludes>**/test/java/**/*.java</excludes>
  <configLocation>./sun_checks.xml</configLocation>
```

```
 <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
 <failOnViolation>true</failOnViolation>
</configuration>
<executions>
 <execution>
  <goals>
   <goal>check</goal>
  </goals>
 </execution>
</executions>
</plugin>
<plugin>
 <groupId>org.codehaus.mojo</groupId>
 <artifactId>cobertura-maven-plugin</artifactId>
 <version>2.6</version>
 <configuration>
  <check>
   <haltOnFailure>false</haltOnFailure>
   <totalBranchRate>80</totalBranchRate>
   <totalLineRate>80</totalLineRate>
   <packageLineRate>80</packageLineRate>
   <packageBranchRate>80</packageBranchRate>
  </check>
  <instrumentation>
   <excludes>
    <exclude>**/HelpMojo.class</exclude>
   </excludes>
  </instrumentation>
 </configuration>
 <executions>
  <execution>
   <id>verification</id>
   <phase>verify</phase>
   <goals>
    <goal>check</goal>
    <goal>cobertura</goal>
   </goals>
  </execution>
 </executions>
</plugin>
<plugin>
 <groupId>org.codehaus.mojo</groupId>
 <artifactId>javancss-maven-plugin</artifactId>
 <version>2.0</version>
 <configuration>
  <encoding>${project.build.sourceEncoding}</encoding>
  <ccnLimit>10</ccnLimit>
  <ncssLimit>100</ncssLimit>
```

```
    <failOnViolation>true</failOnViolation>
    <excludes>
     <exclude>**/tests/**/*.*</exclude>
    </excludes>
   </configuration>
   <executions>
    <execution>
     <goals>
      <goal>check</goal>
     </goals>
    </execution>
   </executions>
  </plugin>
  <plugin>
   <groupId>org.codehaus.mojo</groupId>
   <artifactId>findbugs-maven-plugin</artifactId>
   <version>3.0.3</version>
   <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>
    <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
   </configuration>
   <executions>
    <execution>
     <goals>
      <goal>check</goal>
     </goals>
    </execution>
   </executions>
  </plugin>
  <plugin>
   <groupId>org.codehaus.mojo</groupId>
   <artifactId>jdepend-maven-plugin</artifactId>
   <version>2.0</version>
  </plugin>
 </plugins>
</build>
<dependencies>
 <dependency>
  <groupId>dk.brics.automaton</groupId>
  <artifactId>automaton</artifactId>
  <version>1.11-8</version>
 </dependency>
 <dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.12</version>
  <scope>test</scope>
```

```
  </dependency>
  <dependency>
   <groupId>org.hamcrest</groupId>
   <artifactId>hamcrest-junit</artifactId>
   <version>2.0.0.0</version>
   <scope>test</scope>
  </dependency>
 </dependencies>
</project>
```

Found
in path(s):
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/pom.xml
No license file was found, but licenses were detected in source scan.

```
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*/
```

Found in path(s):
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/test/java/com/mifmif/common/regex/GenerexUnitTest.java
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* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/test/java/com/mifmif/common/regex/GenerexIteratorUnitTest.java
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Found in path(s):
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/GenerexIterator.java
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterator.java
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Node.java
*
 /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterable.java
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Main.java
* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Generex.java

1.752 simpleclient-dropwizard 0.9.0

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1.753 jackson-datatype-jdk8 2.9.10

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1.754 jackson-datatype-joda 2.9.10

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1.755 jackson-dataformat-yaml 2.9.10

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1.756 jetty-setuid-java 1.0.4

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```

Found in path(s):
* /jetty-setuid-java-1-0-4-sources-jar/org/eclipse/jetty/setuid/SetUIDListener.java
* /jetty-setuid-java-1-0-4-sources-jar/org/eclipse/jetty/setuid/SetUIDServer.java
* /jetty-setuid-java-1-0-4-sources-jar/org/eclipse/jetty/setuid/SetUID.java
* /jetty-setuid-java-1-0-4-sources-jar/org/eclipse/jetty/setuid/Group.java
* /jetty-setuid-java-1-0-4-sources-jar/org/eclipse/jetty/setuid/RLimit.java
* /jetty-setuid-java-1-0-4-sources-jar/org/eclipse/jetty/setuid/Passwd.java

1.757 logging-interceptor 3.12.12

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* /logging-interceptor-3-12-12-sources-jar/okhttp3/logging/HttpLoggingInterceptor.java
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*/

Found in path(s):
* /logging-interceptor-3-12-12-sources-jar/okhttp3/logging/LoggingEventListener.java

1.758 jackson-module-parameter-names 2.9.10

1.758.1 Available under license :

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1.759 jackson-jaxrs 2.9.10

1.759.1 Available under license :

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1.760 zjsonpatch 0.3.0

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Found in path(s):
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/NodeType.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonDiff.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/NoopProcessor.java

* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/ApplyProcessor.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Constants.java
*
/zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/CompatibilityFlags.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonPatchApplicationException.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonPatchProcessor.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/InvalidJsonPatchException.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Operation.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonPatch.java
* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Diff.java

1.761 java-semver 0.9.0

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* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/LexerException.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/package-info.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/And.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Not.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/ExpressionParser.java

* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/package-info.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/GreaterOrEqual.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/LessOrEqual.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Equal.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/UnexpectedTokenException.java
*
/java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/NotEqual.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/CompositeExpression.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Or.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/util/Stream.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Expression.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/VersionParser.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/util/UnexpectedElementException.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/Version.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/NormalVersion.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Lexer.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/UnexpectedCharacterException.java
*
/java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/util/package-info.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Less.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/Parser.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/expr/Greater.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/ParseException.java
* /java-semver-0-9-0-sources-jar/com/github/zafarkhaja/semver/MetadataVersion.java

1.762 profiler 1.1.1

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* /gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/MiniProfiler.java
* /gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/MiniProfilerFilter.java
* /gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/resources/MiniProfilerResourceLoader.java
* /gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/MiniProfilerServlet.java
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* http://github.com/jquery/jquery-tmpl
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*
* Date: Thu Jun 30 14:16:56 2011 -0400
*/

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* /gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/resources/jquery-1.6.2.min.js

1.763 simpleclient-common 0.9.0

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1.764 jackson-jaxrs-base 2.12.6

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1.765 jackson-datatype-jdk8 2.12.6

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1.766 jackson-xc 2.12.6

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1.767 jackson-jaxrs 2.12.6

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1.769 vim 8.0.1453-1ubuntu1.8

1.770 logback-jackson 0.1.5

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1.771 logback-json-core 0.1.5

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1.772 logback-json-classic 0.1.5

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1.773 gopsutil 3.21.11+incompatible

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1.774 kubernetes-component-base 0.23.1

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1.775 structured-merge-diff 4.2.1

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1.777 jetty-util-ajax 9.4.35.v20201120

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
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* java.sun.security.ssl

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 org.apache.tomcat:tomcat-jasper
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 org.apache.tomcat:tomcat-jasper-el
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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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* 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

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
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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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http://openjdk.java.net/legal/gplv2+ce.html

OW2

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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

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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

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
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http://openjdk.java.net/legal/gplv2+ce.html

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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

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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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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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* 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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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

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1.797 jetty-servlets 9.4.35.v20201120

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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 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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1.798 metrics-jetty 4.1.16

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* 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
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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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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
 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

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 org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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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

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
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http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
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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
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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

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,
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1.816 metrics-jmx 4.1.16

1.816.1 Available under license :

Apache-2.0

1.817 dropwizard-assets 1.3.29

1.817.1 Available under license :

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1.818 cloud-google-com-go 0.99.0

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// 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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import (
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 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
}
// Copyright 2021 Google LLC
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// you may not use this file except in compliance with the License.
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//     https://www.apache.org/licenses/LICENSE-2.0
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```

```
// limitations under the License.

// 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 availaible 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, "gapic", 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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//     https://www.apache.org/licenses/LICENSE-2.0
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// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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// limitations under the License.

// 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 availaible 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, "gapic", 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
}
```

1.819 jline-terminal 3.12.1

1.819.1 Available under license :

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

```
#
# Copyright (c) 2002-2016, the original author or authors.
#
# This software is distributable under the BSD license. See the terms of the
# BSD license in the documentation provided with this software.
#
# https://opensource.org/licenses/BSD-3-Clause
#

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_smso, 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, bufsz, 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, el1, 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
key_f13, kf13, F3
key_f14, kf14, F4
key_f15, kf15, F5
key_f16, kf16, F6
key_f17, kf17, F7
key_f18, kf18, F8
key_f19, kf19, F9
key_f2, kf2, k2
key_f20, kf20, FA
key_f21, kf21, FB
key_f22, kf22, FC
key_f23, kf23, FD
key_f24, kf24, FE
key_f25, kf25, FF
key_f26, kf26, FG
key_f27, kf27, FH
key_f28, kf28, FI
key_f29, kf29, FJ
key_f3, kf3, k3
key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
key_f33, kf33, FN
key_f34, kf34, FO
key_f35, kf35, FP
key_f36, kf36, FQ
key_f37, kf37, FR
key_f38, kf38, FS
key_f39, kf39, FT
key_f4, kf4, k4
key_f40, kf40, FU
key_f41, kf41, FV
key_f42, kf42, FW
key_f43, kf43, FX
key_f44, kf44, FY
key_f45, kf45, FZ
key_f46, kf46, Fa
key_f47, kf47, Fb
key_f48, kf48, Fc
key_f49, kf49, Fd
key_f5, kf5, k5
key_f50, kf50, Fe
key_f51, kf51, Ff
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
key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kil1, 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, kprt, %9
key_redo, krdo, %0
key_reference, kref, &1
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
key_seol, kEOL, *8
key_sexit, kEXT, *9
key_sf, kind, kF
key_sfind, kFND, *0
key_shelp, kHLP, #1
key_shome, kHOM, #2
key_sic, kIC, #3
key_sleft, kLFT, #4
key_smessage,
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_srsume, kRES, %j
key_ssave, 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
lab_f4, lf4, l4
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, mcuu1, 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, colornm, 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, ehhlm, Xh
enter_left_hl_mode, elhlm, Xl
enter_low_hl_mode, elohlm, Xo
enter_right_hl_mode, erhlm, Xr
enter_top_hl_mode, ethlm, Xt
enter_vertical_hl_mode, evhlm, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

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* /jline-terminal-3-12-1-sources-jar/org/jline/utils/InfoCmp.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/spi/JnaSupport.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/spi/JansiSupport.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/AttributedCharSequence.java
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* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/ExternalTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlockingReader.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/LineDisciplineTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/PosixSysTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Colors.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/StyleResolver.java

* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Display.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/DumbTerminal.java
*
/jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlockingReaderImpl.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/AttributedStyle.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlocking.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Status.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlockingInputStream.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Curses.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/AbstractTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/Size.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/AttributedStringBuilder.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlockingInputStreamImpl.java
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* /jline-terminal-3-12-1-sources-jar/org/jline/utils/NonBlockingPumpInputStream.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/WriterOutputStream.java
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fuchsia
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blue1
darkgreen
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palegreen3
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palevioletred1
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orchid1
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lightgoldenrod2b
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mistyrose1
thistle1
yellow1
lightgoldenrod1
khaki1
wheat1
cornsilk1
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* /jline-terminal-3-12-1-sources-jar/org/jline/utils/InputStreamReader.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/AttributedString.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/WCWidth.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/DiffHelper.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/AbstractPosixTerminal.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Signals.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/package-info.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/Attributes.java
*

/jline-terminal-3-12-1-sources-jar/org/jline/utils/ShutdownHooks.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/ClosedException.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/ExecHelper.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/OSUtils.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/spi/Pty.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/MouseEvent.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/ExecPty.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/package-info.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Log.java
* /jline-terminal-3-12-1-sources-jar/org/jline/utils/Levenshtein.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/impl/CursorSupport.java
* /jline-terminal-3-12-1-sources-jar/org/jline/terminal/Cursor.java
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1.820 jline-reader 3.12.1

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* /jline-reader-3-12-1-sources-jar/org/jline/reader/Macro.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Binding.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/EndOfFileException.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/UndoTree.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/DefaultHighlighter.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/ReaderUtils.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Widget.java
*
 /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/EnumCompleter.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Reference.java
* /jline-reader-3-12-1-sources-jar/org/jline/keymap/KeyMap.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/package-info.java

* /jline-reader-3-12-1-sources-jar/org/jline/reader/Parser.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/UserInterruptException.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/AggregateCompleter.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Expander.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/NullCompleter.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/package-info.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Highlighter.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/StringsCompleter.java
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* /jline-reader-3-12-1-sources-jar/org/jline/reader/LineReader.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Candidate.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/CompletingParsedLine.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/History.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/MaskingCallback.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/DefaultParser.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/ArgumentCompleter.java
*
/jline-reader-3-12-1-sources-jar/org/jline/reader/ParsedLine.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/Completer.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/impl/completer/FileNameCompleter.java
* /jline-reader-3-12-1-sources-jar/org/jline/reader/LineReaderBuilder.java
* /jline-reader-3-12-1-sources-jar/org/jline/keymap/BindingReader.java

1.821 jline-remote-telnet 3.12.1

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*
/jline-remote-telnet-3-12-1-sources-jar/org/jline/builtins/telnet/PortListener.java
* /jline-remote-telnet-3-12-1-sources-jar/org/jline/builtins/telnet/ConnectionEvent.java
* /jline-remote-telnet-3-12-1-sources-jar/org/jline/builtins/telnet/ConnectionManager.java
* /jline-remote-telnet-3-12-1-sources-jar/org/jline/builtins/telnet/ConnectionData.java
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*
/jline-remote-telnet-3-12-1-sources-jar/org/jline/builtins/telnet/ConnectionListener.java

1.822 jline-builtins 3.12.1

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* /jline-builtins-3-12-1-sources-jar/org/jline/builtins/Tmux.java
* /jline-builtins-3-12-1-sources-jar/org/jline/builtins/TTop.java

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* /jline-builtins-3-12-1-sources-jar/org/jline/builtins/InputRC.java
* /jline-builtins-3-12-1-sources-jar/org/jline/builtins/NfaMatcher.java
* /jline-builtins-3-12-1-sources-jar/org/jline/builtins/Completers.java

1.823 jline-terminal-jansi 3.12.1

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* /jline-terminal-jansi-3-12-1-sources-jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java
* /jline-terminal-jansi-3-12-1-sources-jar/org/jline/terminal/impl/jansi/JansiSupportImpl.java
* /jline-terminal-jansi-3-12-1-sources-jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java
* /jline-terminal-jansi-3-12-1-sources-jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java
* /jline-terminal-jansi-3-12-1-sources-jar/org/jline/terminal/impl/jansi/JansiNativePty.java
* /jline-terminal-jansi-3-12-1-sources-jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java
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1.824 jline-remote-ssh 3.12.1

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* /jline-remote-ssh-3-12-1-sources-jar/org/jline/builtins/ssh/ShellFactoryImpl.java
* /jline-remote-ssh-3-12-1-sources-jar/org/jline/builtins/ssh/ShellCommand.java

1.825 jline-terminal-jna 3.12.1

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* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/JnaNativePty.java
* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java

* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java
* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/osx/CLibrary.java
* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/linux/CLibrary.java
* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java
*
/jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/solaris/CLibrary.java
* /jline-terminal-jna-3-12-1-sources-jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java
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1.826 jline-style 3.12.1

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* /jline-style-3-12-1-sources-jar/org/jline/style/StyleColor.java
* /jline-style-3-12-1-sources-jar/org/jline/style/StyleResolver.java
* /jline-style-3-12-1-sources-jar/org/jline/style/InterpolationHelper.java
* /jline-style-3-12-1-sources-jar/org/jline/style/MemoryStyleSource.java
* /jline-style-3-12-1-sources-jar/org/jline/style/StyleBundleInvocationHandler.java
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* /jline-style-3-12-1-sources-jar/org/jline/style/StyleFactory.java
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1.827 kubernetes-api 0.23.3

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1.828 kubernetes-apimachinery 0.23.3

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1.829 kubernetes-client 0.23.3

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1.832 shadow 4.5-1ubuntu2.2

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Protocol Buffers for Go with Gadgets

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

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1.834 python3.8 3.8.0-3ubuntu1~18.04.2

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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
2.2 and above	2.1.1	2001-now	PSF	yes

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In May 2000, Guido and the Python core development team moved to
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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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1.843 netty-codec 4.1.73.Final

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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/json/package-info.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
*
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/string/StringEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/base64/package-info.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/EncoderException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/string/package-info.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
*
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/MessageAggregator.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DecoderException.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java

* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/Delimiters.java
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*
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DecoderResult.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/CodecException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java

* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ZstdOptions.java
*

/netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Zstd.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/Brotli.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ZstdConstants.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/BrotliEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/CompressionOptions.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>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* 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 <tt>initialBytesToStrip</tt>.  In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
```

```
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "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
* <tt>lengthAdjustment</tt>.  Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= 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.  <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* 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
* <b>lengthAdjustment</b>    = <b>2</b> (= 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
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= 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
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* 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):
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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Found in path(s):
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/Headers.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DefaultHeaders.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/EmptyHeaders.java

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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
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* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
*
 /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /netty-codec-4-1-73-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* Robert
 Harder's Public Domain
* Base64 Encoder/Decoder.
*/

Found in path(s):
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/*
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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.
*/

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1.844 netty-transport-classes-epoll 4.1.73.Final

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* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/SegmentedDatagramPacket.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannelConfig.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollDomainDatagramChannel.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.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */
```

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* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
*
 /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/package-info.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.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.
    * 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 <a href="https://linux.die.net//man/7/tcp">TCP_QUICKACK</a>
    * for more details.
    */
```

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* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
*
/netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java
* /netty-transport-classes-epoll-4-1-73-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java

1.845 netty-handler 4.1.73.Final

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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
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 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
*
 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/address/ResolveAddressHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
*
 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactoryBuilder.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslClosedEngineException.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/logging/ByteBufFormat.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/traffic/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/BouncyCastle.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java
*
/netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/GroupsConverter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/AsyncRunnable.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslContextOption.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/Ciphers.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslUtils.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslContextOption.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
*
 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/Java8SslUtils.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/flush/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/flow/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
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 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
*
 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/address/package-info.java

* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/pcap/UDPPacket.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/pcap/PcapHeaders.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/pcap/PcapWriter.java
*
 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/pcap/EthernetPacket.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/pcap/TCPPacket.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/pcap/package-info.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SniHandler.java
*
 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
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 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslProvider.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java

* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslUtils.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSsl.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
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 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ipfilter/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/NotSslRecordException.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/stream/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/stream/ChunkedNioStream.java
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 /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/logging/LogLevel.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/logging/LoggingHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/TimeoutException.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/IdleState.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/logging/package-info.java
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/netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/stream/ChunkedStream.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/package-info.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/stream/ChunkedNioFile.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/timeout/IdleStateHandler.java
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* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
*
/netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ClientAuth.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /netty-handler-4-1-73-final-sources-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java

1.846 netty-transport-native-epoll 4.1.73.Final

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1.847 netty-resolver 4.1.73.Final

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* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/package-info.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
*
/netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/NameResolver.java
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* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
*
/netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/InetNameResolver.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/HostsFileParser.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java

* /netty-resolver-4-1-73-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
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1.848 netty-transport 4.1.73.Final

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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/ChannelGroup.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
*
 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/ChannelMatcher.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelId.java
*
 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/AddressedEnvelope.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/ChannelMatchers.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/AbstractEventLoop.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/PendingBytesTracker.java
*
 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/internal/package-info.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
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 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/bootstrap/BootstrapConfig.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/SelectStrategyFactory.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/SelectStrategy.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/package-info.java
*
 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultFileRegion.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelPromiseNotifier.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/Channel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/bootstrap/ServerBootstrap.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelHandlerContext.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/SingleThreadEventLoop.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
*
 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/oio/AbstractOioMessageChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/oio/AbstractOioByteChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ThreadPerChannelEventLoop.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/package-info.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelPipeline.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/FailedChannelFuture.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultChannelPromise.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/local/LocalChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultChannelPipeline.java

* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/AbstractServerChannel.java
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 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/nio/AbstractNioByteChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelOutboundHandler.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/DatagramChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelInitializer.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/CombinedIterator.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/package-info.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelConfig.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelPromise.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/DatagramChannelConfig.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/local/LocalAddress.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/embedded/package-info.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/nio/package-info.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/DefaultChannelGroupFuture.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelPromiseAggregator.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/EventLoopGroup.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/nio/NioEventLoopGroup.java

* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/local/package-info.java
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 /netty-transport-4-1-73-final-sources-jar/io/netty/channel/VoidChannelPromise.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelFutureListener.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannel.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/DatagramPacket.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelFuture.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelMetadata.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/group/ChannelGroupFuture.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/oio/AbstractOioChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/embedded/EmbeddedChannel.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/nio/package-info.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/CompleteChannelFuture.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
*
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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/ChannelPool.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/package-info.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.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:
* <ul>
* <li>{@link
 ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </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}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 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 a 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}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </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}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*           {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 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}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </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>.
*
* <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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* /netty-transport-4-1-73-final-sources-jar/io/netty/channel/ChannelHandler.java

1.849 netty 4.1.73.Final

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* /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/DomainDatagramSocketAddress.java
* /netty-transport-native-unix-common-4-1-73-final-sources-

jar/io/netty/channel/unix/DomainDatagramChannelConfig.java
*
/netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/DomainDatagramPacket.java
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jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_util.h
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/Limits.java
*
/netty-transport-native-unix-common-4-1-73-final-sources-
jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /netty-transport-native-unix-common-4-1-73-final-sources-
jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_util.c
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_limits.c
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* /netty-transport-native-unix-common-4-1-73-final-sources-
jar/io/netty/channel/unix/DomainSocketChannelConfig.java
*
 /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_filedescriptor.c
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_errors.c
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_socket.c
* /netty-transport-native-unix-common-4-1-73-final-sources-
jar/io/netty/channel/unix/DomainSocketReadMode.java
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* /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java
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* /netty-transport-native-unix-common-4-1-73-final-sources-jar/netty_unix_errors.h
*
 /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/UnixChannel.java
* /netty-transport-native-unix-common-4-1-73-final-sources-

jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /netty-transport-native-unix-common-4-1-73-final-sources-jar/io/netty/channel/unix/DomainSocketChannel.java
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1.851 pycryptodome 3.14.1

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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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1.854 rocksdbjni 6.22.1.1

1.855 kubernetes-model-flowcontrol 5.8.0

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1.856 kubernetes-model-node 5.8.0

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1.858 kubernetes-client 5.8.0

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/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/utils/OptionalDependencyWrapper.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/internal/patchmixins/ObjectMetaMixIn.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/GetListFromLoadable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/informers/SharedInformerEventListener.java
* /kubernetes-client-5-8-0-sources-
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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/RollableScalableResource.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/KubernetesListOperation.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/WatchListDeletable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/FilterWatchListDeletable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/internal/AbstractWatchManager.java
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/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V1beta1EventingAPIGroupClient.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/RecreateFromServerGettable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/utils/InputStreamPumper.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V1AdmissionRegistrationAPIGroupClient.java

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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/base/OperationContext.java
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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/ImageEditReplacePatchable.java
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/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/informers/SharedInformerFactory.java
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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/ContainerResource.java
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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V1beta1AuthorizationAPIGroupClient.java
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/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/RecreateApplicable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Operation.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/MetricAPIGroupDSL.java
* /kubernetes-client-5-8-0-sources-
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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V1AutoscalingAPIGroupExtensionAdapter.java
* /kubernetes-client-5-8-0-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/NamespaceVisitOperationContext.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/AuthorizationAPIGroupDSL.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/ReplaceDeletable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/WritableOperation.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodMetricOperationsImpl.java
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/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V1AuthorizationAPIGroupDSL.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/NonNamespaceOperation.java

* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Timeoutable.java
* /kubernetes-client-5-8-0-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/apps/v1/ReplicaSetOperationsImpl.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Listable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/base/FilterNestedImpl.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/ApiextensionsAPIGroupDSL.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/APIGroupExtensionAdapter.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/CascadingDeletable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/FromServerable.java
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/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/utils/IpAddressMatcher.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/LogWatch.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/MetricAPIGroupClient.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V2beta2AutoscalingAPIGroupClient.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/InOutCreateable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/base/PatchType.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/AdmissionRegistrationAPIGroupClient.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Typeable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/base/CustomResourceDefinitionContext.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodOperationContext.java
*
/kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Listenable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/CascadingEditReplacePatchDeletable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/V1ApiextensionAPIGroupDSL.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/V1CertificatesAPIGroupDSL.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/internal/NodeMetricOperationsImpl.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Prettyable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Loadable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PortForwarderWebsocket.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/CopyOrReadable.java
* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/dsl/Editable.java
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io.fabric8.kubernetes.client.AppsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.AutoscalingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.ApiextensionsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.AuthorizationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AutoscalingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V2beta1AutoscalingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V2beta2AutoscalingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.BatchAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1BatchAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1BatchAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.ExtensionsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.EventingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1EventingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1EventingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.FlowControlAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1FlowControlAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.MetricAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.NetworkAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.PolicyAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1PolicyAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1PolicyAPIGroupExtensionAdapter
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io.fabric8.kubernetes.client.V1beta1SchedulingAPIGroupExtensionAdapter
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io.fabric8.kubernetes.client.V1APIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1ApiextensionsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1ApiextensionsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AuthorizationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1AuthorizationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1NetworkAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1NetworkAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.DiscoveryAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1DiscoveryAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1DiscoveryAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.CertificatesAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1CertificatesAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1CertificatesAPIGroupExtensionAdapter

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* /kubernetes-client-5-8-0-sources-jar/io/fabric8/kubernetes/client/lib/FileSystem.java
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io.fabric8.kubernetes.client.URLFromEnvVarsImpl
io.fabric8.kubernetes.client.URLFromIngressImpl
io.fabric8.kubernetes.client.URLFromNodePortImpl
io.fabric8.kubernetes.client.URLFromClusterIPImpl

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1.859 kubernetes-model 5.8.0

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* /kubernetes-model-admissionregistration-5-8-0-sources-jar/io/fabric8/kubernetes/api/model/admission/v1/AdmissionRequest.java
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1.860 oras.land-oras-go 1.1.0

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1.861 helm-sh-helm 3.8.0

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

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1.866 x-sys 0.0.0-20220209214540-3681064d5158

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1.867 kustomize-kyaml 0.13.0

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1.868 kubernetes-kubectl 0.23.1

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1.869 x-crypto 0.0.0-20211117183948-ae814b36b871

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1.870 kustomize-api 0.10.1

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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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* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/XmlSchema.java
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* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
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* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/XmlEnumValue.java
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* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/adapters/HexBinaryAdapter.java
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* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapters.java
* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/XmlElementDecl.java
* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/XmlValue.java
* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/XmlRegistry.java
*
 /jaxb-api-2-2-11-sources-jar/javax/xml/bind/PropertyException.java
* /jaxb-api-2-2-11-sources-jar/javax/xml/bind/annotation/XmlAttribute.java
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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

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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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

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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

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1.890 jetty-util 9.4.16.v20190411

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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1.891 jetty-servlets 9.4.16.v20190411

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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

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

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1.892 jettison 1.3

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layout: "api"
page_title: "/sys/license - HTTP API"
sidebar_current: "docs-http-system-license"
description: |-
 The `/sys/license` endpoint is used to view and update the license used in
 Vault.

`/sys/license`

~> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in
Vault.

Read License

This endpoint returns information about the currently installed license.

Method	Path	Produces
`GET`	`/sys/license`	`200 application/json`

Sample Request

```
$ curl \
  --header "X-Vault-Token: ..." \
  http://127.0.0.1:8200/v1/sys/license
```

Sample Response

```json
{
 "data": {
  "expiration_time": "2017-11-14T16:34:36.546753-05:00",
  "features": [
    "UI",
    "HSM",
    "Performance Replication",
    "DR Replication"
  ],

  "license_id": "temporary",
  "start_time": "2017-11-14T16:04:36.546753-05:00"
 },
 "warnings": [
  "time left on license is 29m33s"
 ]
}
```

Install License

This endpoint is used to install a license into Vault.

Method	Path	Produces
`PUT`	`/sys/license`	`204 (empty body)`

Parameters

- `text` `(string: <required>)` The text of the license.

DR Secondary Specific Parameters

 - `dr_operation_token` `(string: <required>)` - DR operation token used to authorize this request.

Sample Payload

```json
{
 "text": "01ABCDEFG..."
}
```

Sample Request

```
$ curl \
  --header "X-Vault-Token: ..." \
  --request PUT \
  --data @payload.json \
  http://127.0.0.1:8200/v1/sys/license
```

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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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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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 and above	2.1.1	2001-now	PSF	yes

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Mersenne Twister

The `_random' module includes code based on a download from
`http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The
following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets

The `socket' module uses the functions, `getaddrinfo', and
`getnameinfo',
which are coded in separate source files from the WIDE
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

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1.909 zlib 1.2.11.dfsg-0ubuntu2.1

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/pub/archiving/zip/zlib as the file zlib-1.0.4.tar.gz.

There is a homepage at http://www.gzip.org/zlib/

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate
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1.910 jackson-databind 2.12.6.1

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1.911 keyutils 1.5.9-9.2ubuntu2.1

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Upstream-Contact: David Howells <dhowells@redhat.com>
Source: http://people.redhat.com/~dhowells/keyutils/

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1.912 metrics 3.2.5

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Found in path(s):

```
* /metrics-3-2-5-sources-1-jar/com/tomtom/speedtools/metrics/MultiMetricsData.java
* /metrics-3-2-5-sources-1-jar/com/tomtom/speedtools/metrics/MetricsTimeSlot.java
* /metrics-3-2-5-sources-1-jar/com/tomtom/speedtools/metrics/MetricsData.java
* /metrics-3-2-5-sources-1-jar/com/tomtom/speedtools/metrics/MultiMetricsCollector.java
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* /metrics-3-2-5-sources-1-jar/META-INF/maven/com.tomtom.speedtools/metrics/pom.xml
```

1.913 goprotobuf 1.4.2

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1.914 go-ldap-ldap 3.4.3

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1.915 go-ntlmssp 0.0.0-20211209120228-48547f28849e

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1.916 go-asn1-ber-asn1-ber 1.5.4

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1.917 slf4j-reload4j 1.7.36

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* /slf4j-reload4j-1-7-36-sources-1-jar/org/slf4j/impl/StaticMarkerBinder.java
* /slf4j-reload4j-1-7-36-sources-1-jar/org/slf4j/impl/Reload4jLoggerFactory.java
* /slf4j-reload4j-1-7-36-sources-1-jar/org/slf4j/impl/Reload4jLoggerAdapter.java
* /slf4j-reload4j-1-7-36-sources-1-jar/org/slf4j/impl/StaticMDCBinder.java
* /slf4j-reload4j-1-7-36-sources-1-jar/org/slf4j/impl/StaticLoggerBinder.java

1.918 reload4j 1.2.19

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1.920 tcpdump 4.9.3-0ubuntu0.18.04.2

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<torsten@debian.org> and Romain Francoise <rfrancoise@debian.org>.

It was downloaded from http://www.tcpdump.org/

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1.921 gzip 1.6-5ubuntu1.2

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1.922 bash 4.4.18-2ubuntu1.3

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Bash homepage: http://tiswww.case.edu/php/chet/bash/bashtop.html

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1.923 goprotobuf 1.3.2

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1.924 afero 1.5.1

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1.926 xstrings 1.3.2

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Found in path(s):
* /stateless4j-2-5-0-sources-7-jar/com/github/oxo42/stateless4j/delegates/FuncBoolean.java
* /stateless4j-2-5-0-sources-7-jar/com/github/oxo42/stateless4j/OutVar.java

1.944 servlet-api 3.1.0

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  http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/
  http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
  http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2's various parts is at:
  http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
  http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
  http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
  http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1's various parts is at:
  http://www.w3.org/TR/1998/REC-DOM-Level-1-19981001/level-one-html.html

Links to all available W3C DOM Java Bindings can be found at:
  http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
  http://www.w3.org/Style/CSS/SAC/
  http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding
 classes for SMIL came from:
  http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
  (both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

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  http://www.w3.org/TR/SVG11/java.html
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1.951 apache-http-server 2.4.29-1ubuntu4.23

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This file is generated from xml source: DO NOT EDIT
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X
-->
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/>
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</script>

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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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     ===============

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Thanks to the following people for their input:
 Mike Belshe (mbelshe@netscape.com)
 Michael Campanella (campanella@stevms.enet.dec.com)

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1.955 curl 7.58.0-2ubuntu3.18

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1.956 spew 1.1.1

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1.957 reflectwalk 1.0.2

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1.960 errors 0.9.1

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1.961 goprotobuf 1.5.2

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1.962 jwalterweatherman 1.1.0

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1.963 glob 0.2.3

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1.973 go-toml 1.9.3

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localtime.go, localtime_test.go:

Originals:
https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go
https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go
Changes:

* Renamed files from civil* to localtime*.
* Package changed from civil to toml.
* 'Local' prefix added to all structs.

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1.974 msgp 1.1.5

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1.975 gokrb5 8.4.2

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1.976 openssl 1.0.2n-1ubuntu5.9

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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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import (
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 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
}
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package compute

import (
 "bytes"
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 "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 availaible 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, "gapic", 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
}
// Copyright 2021 Google LLC
//
// Licensed 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
//
//     https://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.

// 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 availaible 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, "gapic", 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
}
```

1.979 go-sysconf 0.3.10

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1.980 numcpus 0.4.0

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1.981 open-ldap 2.4.45+dfsg-1ubuntu1.11

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1.983 pcre 8.39-9ubuntu0.1

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Written by: Philip Hazel
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 *
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 *
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 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.985 tomcat-util-scan 9.0.63

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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages_zh_CN.properties
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages_it.properties
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages_pt_BR.properties

* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages_ko.properties
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/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages_ja.properties
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Messages_fr.properties
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/Messages_fr.properties
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/annotation/XmlIsSet.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/ElementPropertyInfo.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/ClassFactory.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/Messages.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/TypeInfoSet.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/BuiltinLeafInfo.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/nav/WildcardTypeImpl.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/nav/ParameterizedTypeImpl.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/NonElement.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/DumbEscapeHandler.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/api/impl/NameConverter.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/nav/SecureLoader.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/runtime/Location.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/NonElementRef.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/CharacterEscapeHandler.java

* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/MinimumEscapeHandler.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/DataWriter.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/SAX2DOMEx.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/package-info.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/annotation/XmlLocation.java
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* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/nav/package-info.java
* /jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/util/ArrayInfoUtil.java

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Bundle-Description: istack common utility code
Implementation-Title: istack common utility code runtime
Bundle-License: https://glassfish.java.net/public/CDDL+GPL_1_1.html, h
ttps://glassfish.java.net/public/CDDL+GPL_1_1.html
Bundle-SymbolicName: com.sun.istack.commons-runtime
Implementation-Version: 3.0.5
Built-By: build
Bnd-LastModified: 1486772850426
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: com.sun.istack
Bundle-DocURL: http://www.oracle.com/
Bundle-Vendor: Oracle Corporation
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.strea
m,org.xml.sax,org.xml.sax.helpers";version="3.0.5",com.sun.istack.log
ging;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):
* /istack-commons-runtime-3-0-5-jar/META-INF/MANIFEST.MF

1.992 dpkg 1.19.0.5ubuntu2.4

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.996 jdk-zulu 8.62.0.19

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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

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@@ -4,11 +4,11 @@ Rev: 23371
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This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image:  $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
 $(RM)
```

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

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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libet and libss libraries for more information.

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Theodore Ts'o
23-June-2007

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1.1003 tomcat-annotations-api 9.0.63

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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
- 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
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- 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
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- javaee_web_services_1_2.xsd
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- javaee_web_services_1_3.xsd
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- javaee_5.xsd

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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- 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
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1.1011 tomcat-jaspic-api 9.0.63

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Found in path(s):
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/PasswordValidationCallback.java
*
/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/ClientAuth.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/MessagePolicy.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ServerAuthConfig.java

* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/SecretKeyCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ServerAuthContext.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/RegistrationListener.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/module/ClientAuthModule.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfig.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/AuthStatus.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/module/ServerAuthModule.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/PrivateKeyCallback.java
*
/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ClientAuthConfig.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/ServerAuth.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/MessageInfo.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfigProvider.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/GroupPrincipalCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ClientAuthContext.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfigFactory.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/TrustStoreCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/CallerPrincipalCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/AuthException.java
*
/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/CertStoreCallback.java

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1.1013 tomcat-tribes 9.0.63

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- 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
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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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- 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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1.1018 tomcat-i18n-pt-br 9.0.63

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- 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
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org.apache.tomcat.util.json.JSONParser.jj is
a public domain javacc grammar
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The original XML Schemas for Java EE Deployment Descriptors:
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may be obtained from:
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- javaee_6.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
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- jsp_2_3.xsd
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- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
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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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- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- 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
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
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- web-common_3_0.xsd
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- 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
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- 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:
http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

1.1025 tomcat-websocket-api 9.0.63

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1.1026 tomcat-i18n-de 9.0.63

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org.apache.tomcat.util.json.JSONParser.jj is
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The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
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- 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

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- 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
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
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- 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

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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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- 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

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1.1028 tomcat-i18n-zh-cn 9.0.63

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- web-common_3_0.xsd
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1.1030 tomcat-storeconfig 9.0.63

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1.1033 python-certifi 2018.01.18

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This packge 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 SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $
 $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.1034 python-certifi 2021.05.30

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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 SSLCACertificateFile.#

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1.1035 openssl 1.1.1-1ubuntu2.1~18.04.19

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1.1036 openssl 1.1.1-1ubuntu2.1~18.04.16

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

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*
* Contributors:
*     IBM Corporation - initial API and implementation
*     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)
*******************************************************************************/
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Found in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ParameterizedSingleTypeReference.java
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*     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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MethodScope.java
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*     Stephan Herrmann - Contribution for
*         Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*         Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/SingleTypeReference.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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ConstructorDeclaration.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/Archive.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathSourceJar.java
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*     Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
*          Bug 473178
*     IBM Corporation - Bug fixes
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/BoundSet.java
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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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*   Stephan Herrmann - Contribution for
*   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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/BasicModule.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CachedIndexEntry.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveryScannerData.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 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
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*   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 SingleNameReference 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 - Contributions for
*   Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped
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*   bug 319201 - [null] no warning when unboxing SingleNameReference 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
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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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* 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)
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*   Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
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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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*                     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 - 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
********************************************************************************/
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*       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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*   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 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/UsesStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/PackageExportImpl.java
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*   IBM Corporation - fix for 342598, 382590
*   Jean-Marie Henaff <jmhenaff@google.com> (Google) - Bug 481555
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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
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*   Jesper Steen Moller - Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/messages.properties
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*   bug 319201 - [null] no warning when unboxing SingleNameReference 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 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.
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*         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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*        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 subtytpe
*     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 serializeable 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompilerRequestor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/BatchCompilerRequestor.java
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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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*        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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*   Bug 458396 - NPE in CodeStream.invoke()
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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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedNameReference.java
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*         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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Found
 in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/LocalTypeBinding.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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*       bug 186342 - [compiler][null] Using annotations for null checking
*       bug 365519 - editorial cleanup after bug 186342 and bug 365387
*       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 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Argument.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 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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*    olivier_thomann@ca.ibm.com - add hashCode() and equals(..) methods
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/EnumConstantSignature.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ClassSignature.java
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*   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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*   Bug 407191 - [1.8] Binary access support for type annotations
**********/

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*         bug 407191 - [1.8] Binary access support for type annotations
*     Stephan Herrmann - Contribution for
*         Bug 440474 - [null] textual encoding of external null annotations
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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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*   Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda
**********/

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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 serializeable 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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*   bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
*   bug 319201 - [null] no warning when unboxing SingleNameReference 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
*   Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*   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 424727 - [compiler][null] NullPointerException in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)
*   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 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 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):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/WhileStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ForStatement.java
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* Contributors:
*   tyeung@bea.com - initial API and implementation
*   olivier_thomann@ca.ibm.com - add hashCode() and equals(..) methods
***/

Found in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ElementValuePairInfo.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationInfo.java
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* Contributors:
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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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryField.java
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*   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
*********************************************************************************/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ArrayBinding.java
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* Contributors:
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*     Stephan Herrmann - Contributions for
*       bug 319201 - [null] no warning when unboxing SingleNameReference 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 varags
*     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):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ArrayAllocationExpression.java
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*       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.
    */
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/AnnotatableTypeSystem.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 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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*     Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*       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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Reference.java
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*     Jesper S Moller - Contributions for
*         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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*     Jesper Steen Moeller - Contributions for:
*         Bug 407297: [1.8][compiler] Control generation of parameter names by option
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchAnnotationProcessorManager.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/ElementImpl.java
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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 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
**********/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredUnit.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathLocation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ICompilationUnit.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredField.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/CompilationResult.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredElement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ClassLiteralAccess.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/INameEnvironment.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/NameEnvironmentAnswer.java
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*   IBM Corporation - Fix for bug 328575
*   het@google.com - Bug 415274 - Annotation processing throws a NPE in getElementsAnnotatedWith()
**/

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*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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```
*     Stephan Herrmann - Contribution for
*       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
*********************************************************************************/
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*    IBM Corporation - fix for 342470
*    IBM Corporation - fix for 342598
*    IBM Corporation - Java 8 support
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/TypeParameterElementImpl.java
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*                       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryNestedType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericMethod.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceMethod.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericType.java
*
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/EclipseFileManager.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseFileManager.java
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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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*    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.
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*   (originally in org.eclipse.jdt.apt.core)
*   IBM Corporation - Bug 513790
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* Contributors:
*   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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*   Jesper S Moller - 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 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 serializeable lambdas
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocAllocationExpression.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/BranchStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFormatException.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/CategorizedProblem.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ParserBasicInformation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfPackage.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemPackageBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/DiagnoseParser.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ConflictedParser.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocMessageSend.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedTypeReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/TerminalTokens.java
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*       bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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*   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contribution for bug 185682 - Increment/decrement operators mark local variables as read
**********/

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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] Massage 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashSetOfInt.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/BranchLabel.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/VerificationTypeInfo.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/InvalidInputException.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/ObjectVector.java

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*         bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/BreakStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/SwitchFlowContext.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 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
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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 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 serializeable lambdas
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*   Bug 407191 - [1.8] Binary access support for type annotations
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*   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

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*   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
***/

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* Contributors:
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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
***/

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 in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TagBits.java
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* Contributors:
*   IBM Corporation - initial API and implementation
*   Stephan Herrmann - Contributions for
*   bug 319201 - [null] no warning when unboxing SingleNameReference 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
**********/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/DoStatement.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 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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* Contributors:
*   IBM Corporation - initial API and implementation
*   Jesper S Moller - Bug 392671
*   NPE with a method with explicit this and a following incomplete parameter
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/BooleanConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocArgumentExpression.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/DoubleConstant.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CharConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/StringConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ByteConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/IntConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/FloatConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/LongConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/Constant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObject.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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*     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
*********************************************************************************/
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/PrimitiveTypeImpl.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)
*******************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/ExceptionLabel.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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*           bug 319201 - [null] no warning when unboxing SingleNameReference 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
*******************************************************************************/
```

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*     Stephan Herrmann - Contributions for
*         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 - [18.3] 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 serializeable 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
**********************************************************************************/

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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 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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*     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
***/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathJmod.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ExternalAnnotationSuperimposer.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CompactConstructorDeclaration.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TextBlock.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ComponentInfoWithTypeAnnotation.java
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*     Frits Jalvingh  - fix for bug 533830.
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*     Stephan Herrmann - Contributions for
*       Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
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*     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
*       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 AnnotatableTypeSystem.getRawType
*       Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
 ********************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/LookupEnvironment.java
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*   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*   bug 319201 - [null] no warning when unboxing SingleNameReference 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
*******************************************************************************/
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LocalDeclaration.java
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*    IBM Corporation - fix for 342598
*    IBM Corporation - Java 8 support
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*   Nikolay Metchev (nikolaymetchev@gmail.com) - Contributions for
*   bug 411098 - [compiler][resource] Invalid Resource Leak Warning using ternary operator inside try-with-resource
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*   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 SingleNameReference 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
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* 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.
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ExtraCompilerModifiers.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseFileObject.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
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*   Stephan Herrmann - Contributions for
*   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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*   Bug 467482 - TYPE_USE null annotations: Incorrect "Redundant null check"-warning
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*     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
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryMethod.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/RecordComponentInfo.java
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*   Stephan Herrmann - Contribution for
*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocQualifiedTypeReference.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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*     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
**********************************************************************************/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SortedSimpleNameVector.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SortedCharArrays.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredLocalVariable.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblemFactory.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Receiver.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CompilerStats.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/InsideSubRoutineFlowContext.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/JDTCompilerAdapter.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ReferenceContext.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IErrorHandlingPolicy.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/GenericXMLWriter.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/DefaultErrorHandlingPolicies.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedAnnotationBinding.java
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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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```
*     Carmi Grushko - Bug 465048 - Binding is null for class literals in synchronized blocks
*******************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IUpdatableModule.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryModule.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] Massage 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 serializeable lambdas
*      Sebastian Zarnekow - Contributions
 for
*       bug 544921 - [performance] Poor performance with large source files
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* Contributors:
*   wharley@bea.com - derived base class from BatchMessagerImpl
*
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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] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varags
* 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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*        Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
*******************************************************************************/
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*        bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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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 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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* 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
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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
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*   Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
*   Bug 473178
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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>
*   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)
**********/

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* Contributors:
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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] 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 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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*   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 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/TypeAnnotationCodeStream.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/NLSTag.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/InnerClassInfo.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemFieldBinding.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/StringLiteralConcatenation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/LongCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SimpleSet.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CharLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/SubRoutineStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRule.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IDebugRequestor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IDependent.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/PostfixExpression.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfLong.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfIntValues.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceImport.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IProblemFactory.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToIntArray.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToInt.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/MagicLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedFieldBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/FalseLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SimpleLookupTable.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/InnerEmulationDependency.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRestriction.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/OperatorIds.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocSingleNameReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/Label.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CaseLabel.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/ShouldNotImplement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/ObjectCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocArrayQualifiedTypeReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/PrefixExpression.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticArgumentBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredImport.java
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 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ImportConflictBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExtendedStringLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ICompilerRequestor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileStruct.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/RangeUtil.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocReturnStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilationUnit.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticFieldBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/IntegerCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/antadapter/AntAdapterMessages.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/FloatCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortMethod.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TrueLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/AnnotationHolder.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfInt.java
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*   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 getParamaterizedType 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):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TypeSystem.java

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* Contributors:
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*     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
*******************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileReader.java
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*     Stephan Herrmann - Contributions for
*            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)
*
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*   Stephan Herrmann - Contributions for
*   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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*     Stephan Herrmann - Contributions for
*         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 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/FinallyFlowContext.java
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*     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
*******************************************************************************/
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/Parser.java
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*     Jesper S Moller - Contributions for
*         Bug 378674 - "The method can be declared as static" is wrong
*******************************************************************************/
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Found in path(s):
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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 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] Massage 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
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedAllocationExpression.java

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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
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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] Massage 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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*   Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)
*   Stephan Herrmann - Contribution for
*   Bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Literal.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/LexStream.java
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*   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
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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
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*          Bug 407191 - [1.8] Binary access support for type annotations
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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
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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
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*   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
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*     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
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/Substitution.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/CompilationUnit.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblem.java
*

/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LabeledStatement.java
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*     Stephan Herrmann - Contributions for
*         bug 319201 - [null] no warning when unboxing SingleNameReference 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] 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 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
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*     Stephan Herrmann - Contribution for
*        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
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*   Matt McCutchen - partial fix for https://bugs.eclipse.org/bugs/show_bug.cgi?id=122995
*   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] 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 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 varags
* 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ASTNode.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
**********************************************************************************/

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* Contributors:
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*     Stephan Herrmann - Contribution for
*         Bug 440474 - [null] textual encoding of external null annotations
**********************************************************************************/

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*     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
*        ImplicitObjectBoundNoNullDefault
*        IllegalParameterNullityRedefinition
*        ContradictoryNullAnnotationsInferredFunctionType
*        IllegalReturnNullityRedefinitionFreeTypeVariable
*        UnlikelyCollectionMethodArgumentType
*        UnlikelyEqualsArgumentType
*     Jesper S Moller  - added the following constants
*        TargetTypeNotAFunctionalInterface
*        OuterLocalMustBeEffectivelyFinal
*        IllegalModifiersForPackage
*        DuplicateAnnotationNotMarkedRepeatable
*        DisallowedTargetForContainerAnnotation
*        RepeatedAnnotationWithContainerAnnotation
*        ContainingAnnotationMustHaveValue
*        ContainingAnnotationHasNonDefaultMembers
*        ContainingAnnotationHasWrongValueType
*        ContainingAnnotationHasShorterRetention
 *        RepeatableAnnotationHasTargets
*        RepeatableAnnotationTargetMismatch
*        RepeatableAnnotationIsDocumented
*        RepeatableAnnotationIsInherited
*        RepeatableAnnotationWithRepeatingContainerAnnotation
*        VarLocalMultipleDeclarators
*        VarLocalCannotBeArray
*        VarLocalReferencesItself
*        VarLocalWithoutInitizalier
*        VarLocalInitializedToNull
*        VarLocalCannotBeArrayInitalizers
*        VarLocalCannotBeLambda
*        VarLocalCannotBeMethodReference
*        VarIsReserved
*        VarIsReservedInFuture
*        VarIsNotAllowedHere
**********************************************************************************/
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* Contributors:
*   wharley@bea.com - initial API and implementation
*   IBM Corporation - fix for 342598
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/DeclaredTypeImpl.java
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*   Stephan Herrmann - Contribution for
*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/UnionTypeReference.java
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*   Stephan Herrmann - Contribution for bug 349326 - [1.7] new warning for missing try-with-resources
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*        bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*******************************************************************************/
```

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*     IBM Corporation - initial API and implementation
*     David Foerster - patch for toUpperCase as described in https://bugs.eclipse.org/bugs/show_bug.cgi?id=153125
*******************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ScannerHelper.java
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*   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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*   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 serializeable lambdas
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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 serializeable lambdas
*   Bug 439889 - [1.8][compiler] [lambda] Deserializing lambda fails with IllegalArgumentException:
"Invalid lambda deserialization"
**/

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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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*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*   Bug 407191 - [1.8] Binary access support for type annotations
**********/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/TypeAnnotationInfo.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ASTVisitor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/JavadocParser.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ImportBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MissingTypeBinding.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/JavadocTagConstants.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ImportReference.java
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*   Bug 428811 - [1.8][compiler] Type witness unnecessarily required
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*        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
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*         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 tenary 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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*       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)
*******************************************************************************/
```

Found in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/AbstractVariableDeclaration.java
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* bug 319201 - [null] no warning when unboxing SingleNameReference 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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* 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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Found in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/SwitchStatement.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchProcessingEnvImpl.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/RoundDispatcher.java
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*   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):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/ExceptionHandlingFlowContext.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 serializeable 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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*        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
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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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/Archive.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/Options.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/ArchiveFileObject.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/Util.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfoWithAnnotations.java
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*   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
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* wharley@bea.com - initial API and implementation
* philippe.marschall@netcetera.ch - Fix for 338370
* IBM Corporation - Fix for validating relative name
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ProvidesStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IModuleAwareNameEnvironment.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IMultiModuleEntry.java
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*   Jesper S Moller - Contributions for
*   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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*         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 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] 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 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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/AbstractCommentParser.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 417295 - [1.8[[null] Massage 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.
**/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/IntLiteralMinValue.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/DoubleLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/NumberLiteral.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/InferenceContext.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LongLiteralMinValue.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/FloatLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/IntLiteral.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SourceTypeCollisionException.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/Messages.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/FileFinder.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredInitializer.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/ProblemSeverities.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 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*******************************************************************************/
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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
*        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
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CompoundAssignment.java
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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
**********************************************************************************/

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*   Stephan Herrmann - Contributions for
*   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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedReferenceBinding.java
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*   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] 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 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
*
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*       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
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*     Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
*     Jesper S Moller  -. Contribution for bug 400830: [1.8][formatter] Code formatter for Java 8
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*         bug 383368 - [compiler][null] syntactic null analysis for field references
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*     Stephan Herrmann - Contributions for
*         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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*
* Contributors:
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*  Stephan Herrmann - Contribution for
*       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 serializeable lambdas
*******************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticMethodBinding.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
**********************************************************************************/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/ProblemReporter.java
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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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ThrowStatement.java
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*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocImplicitTypeReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ElementValuePair.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):
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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
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*        Bug 440687 - [compiler][batch][null] improve command line option for external annotations
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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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/FlowInfo.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModule.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/PackageVisibilityStatement.java
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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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*        Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
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Found in path(s):
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/VoidTypeBinding.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredAnnotation.java
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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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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredRequiresStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleReference.java
*
 /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExportsStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredExportsStatement.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/ProcessorInfo.java

1.1038 openssl 1.0.2n-1ubuntu5.10

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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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*   Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
```

*
*
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library. If the library is modified by someone else and passed on, we
want its recipients to know that what they have is not the original
version, so that any problems introduced by others will not reflect on

the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary
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copyright law: that is to say, a work containing the Library or a
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"Source code" for a work means the preferred form of the work for
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

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This option is useful when you wish to copy part of the code of
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4. You may copy and distribute the Library (or a portion or
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If distribution of object code is made by offering access to copy
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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
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work, in isolation, is not a derivative
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it

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

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

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Library" must include any data and utility programs needed for
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the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
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which the executable runs, unless that component itself accompanies
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to

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1.1040 openssl 1.1.1p

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1.1044 golang 1.17.5

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1.1046 golang 1.12.17

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    d.write(' Comments are disabled for this page at the moment.<\/div>');
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```
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```
/*************************************************************************
* NCSA HTTPd Server
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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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For the test\zb.c component:

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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)

*/

1.1050 golang 1.13.7

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1.1051 mitchellh-copystructure 1.2.0

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1.1052 golang 1.7.3

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#
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# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

# Please keep the list sorted.

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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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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.1056 python 3.6.7-1~18.04

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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.

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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

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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
2.2	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
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1.1057 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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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).
*/

1.1058 json-java 20210307

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1.1060 html5lib 1.1

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(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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1.1072 openssl 1.1.1l

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1.1073 activation-api 1.2.1

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1.1075 go-autorest-logging 0.2.1

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1.1081 prometheus-client 0.2.0

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1.1084 opentracing-go 1.1.0

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1.1086 lib-pq 1.10.0

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```
// +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}
}
```

1.1087 docker 17.12.0-ce-rc1.0.20200618181300-9dc6525e6118+incompatible

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file_io/unix/mktemp.c, strings/apr_strings.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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This package was debianized by Thom May <thom@debian.org> on
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From strings/apr_fnmatch.c, include/apr_fnmatch.h,
misc/unix/getopt.c,
file_io/unix/mktemp.c, strings/apr_strings.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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1.1100 yaml 1.3.0

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1.1101 gopkg.in-yaml 2.4.0

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1.1102 gopkg.in-inf 0.9.1

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1.1103 go-uber-org-multierr 1.6.0

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1.1104 go.uber.org/atomi 1.7.0

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1.1105 utils 0.0.0-20211116205334-6203023598ed

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1.1106 wheel 0.37.1

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