



# Open Source Used In Cisco AppDynamics On-Prem SnapShot Analyze Service 25.0-1954

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## 1.1 libjpeg 6b

### 1.1.1 Notifications :

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

### 1.1.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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

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

Group.

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

## DOCUMENTATION

### ROADMAP

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This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

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

Programmer and internal  
documentation:

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

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

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

## OVERVIEW

=====

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

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

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

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

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

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

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

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

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

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## REFERENCES

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We

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

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

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

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

The

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

Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

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

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

Literature Department  
C-Cube Microsystems, Inc.  
1778 McCarthy Blvd.  
Milpitas, CA 95035  
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme

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

## ARCHIVE LOCATIONS

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The "official" archive site for this software is [ftp.uu.net](ftp://ftp.uu.net) (Internet address 192.48.96.9). The most recent released version can always be found there in directory [graphics/jpeg](ftp://ftp.uu.net/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](mailto: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](ftp://ftp.uu.net) is guaranteed to have the latest official version.

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

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu](http://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/): [ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](http://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body  
send usenet/news.answers/jpeg-faq/part1  
send usenet/news.answers/jpeg-faq/part2

#### RELATED SOFTWARE

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

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

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

#### FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read.

(For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

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

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether

SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

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

TO DO

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

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

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to [jpeg-info@uunet.uu.net](mailto:jpeg-info@uunet.uu.net).

## 1.2 javax-ws-rs-api 2.1.1

## 1.3 json-simple 1.1

### 1.3.1 Available under license :

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## 1.4 commons-math 2.2

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\* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/CompositeInjector.java  
\* /picocontainer-2-15-sources-1-jar/org/picocontainer/security/CustomPermissionsURLClassLoader.java  
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* /picocontainer-2-15-sources-1-jar/org/picocontainer/PicoException.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/Locking.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/NamedMethodInjector.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/PropertyApplicator.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/Characteristics.java
*
/picocontainer-2-15-sources-1-jar/org/picocontainer/PicoClassNotFoundException.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/parameters/CollectionComponentParameter.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/Automating.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/NameBinding.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/ImplementationHiding.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/PicoBuilder.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/TypedFieldInjector.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/NamedFieldInjector.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/Automated.java
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* /picocontainer-2-15-sources-1-jar/org/picocontainer/Startable.java
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* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/ThreadCaching.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/MethodInjection.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/PicoCompositionException.java
*
/picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/ConstructorInjector.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/AdaptingInjection.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/ConstructorInjection.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/SetterInjection.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/Caching.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/ThreadCached.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/injectors/AnnotatedMethodInjection.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/OptInCaching.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/Cached.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/behaviors/Storing.java
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* /picocontainer-2-15-sources-1-jar/org/picocontainer/visitors/TraversalCheckingVisitor.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/Converters.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/DefaultLifecycleState.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/PicoVisitor.java
*
/picocontainer-2-15-sources-1-jar/org/picocontainer/LifecycleStrategy.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/converters/Converter.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/ReflectionLifecycleStrategy.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/visitors/AbstractPicoVisitor.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/StartableLifecycleStrategy.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/CompositeLifecycleStrategy.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/visitors/MethodCallingVisitor.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/AbstractMonitoringLifecycleStrategy.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/LifecycleState.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/ComponentAdapter.java
* /picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/ReflectionLifecycleException.java
*
/picocontainer-2-15-sources-1-jar/org/picocontainer/lifecycle/JavaEE5LifecycleStrategy.java
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\* /picocontainer-2-15-sources-1-jar/org/picocontainer/MutablePicoContainer.java

\* /picocontainer-2-15-sources-1-jar/org/picocontainer/containers/CompositePicoContainer.java

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\* /picocontainer-2-15-sources-1-jar/org/picocontainer/containers/AbstractDelegatingMutablePicoContainer.java

## 1.8 jboss-logging 3.4.1.Final

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# 1.9 guice 6.0.0

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 * Originally from https://code.google.com/p/guava-
libraries/source/browse/guava/src/com/google/common/annotations/Beta.java
 */
```

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\* /rxjava-1-2-0-sources-jar/rx/annotations/Beta.java

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 */
```

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/**
* This plugin class provides 2 ways to customize {@link Scheduler} functionality
* 1. You may redefine entire schedulers, if you so choose. To do so, override
* the 3 methods that return Scheduler (io(), computation(), newThread()).
* 2. You may wrap/decorate an {@link Action0}, before it is handed off to a Scheduler. The
system-
* supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
* Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
* modify Scheduler functionality without redefining Schedulers wholesale.
*
* Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
* <p>
* See {@link RxJavaPlugins} or the RxJava GitHub Wiki for information on configuring plugins:
* <a
href="https://github.com/ReactiveX/RxJava/wiki/Plugins">https://github.com/ReactiveX/RxJava/wiki/Plugins</a>.
*/

```

Found in path(s):

```

* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaSchedulersHook.java
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core/src/main/java/org/jctools/queues/ConcurrentCircularArrayQueue.java
*/

```

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```

* /rxjava-1-2-0-sources-jar/rx/internal/util/unsafe/ConcurrentCircularArrayQueue.java

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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java>  
\*/

Found in path(s):

\* /rxjava-1-2-0-sources-jar/rx/internal/util/unsafe/ConcurrentSequencedCircularArrayQueue.java

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core/src/main/java/org/jctools/queues/atomic/BaseLinkedQueue.java
*/

```

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```

* /rxjava-1-2-0-sources-jar/rx/internal/util/unsafe/BaseLinkedQueue.java

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*/

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Found in path(s):

```

* /rxjava-1-2-0-sources-jar/rx/internal/util/atomic/SpSCExactAtomicArrayQueue.java

```

```

* /rxjava-1-2-0-sources-jar/rx/internal/util/atomic/SpSCAtomicArrayQueue.java

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\* /rxjava-1-2-0-sources-jar/rx/internal/util/SynchronizedQueue.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorBufferWithStartEndObservable.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/util/atomic/SpSCLinkedListArrayQueue.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeDelaySubscription.java  
\*  
/rxjava-1-2-0-sources-jar/rx/internal/util/PlatformDependent.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSampleWithObservable.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorBufferWithSize.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWindowWithObservableFactory.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDelayWithSelector.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeRefCount.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWindowWithStartEndObservable.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeDelaySubscriptionWithSelector.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorBufferWithSingleObservable.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSwitch.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/util/RxThreadFactory.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDebounceWithTime.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWithLatestFrom.java  
\*  
/rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorOnBackpressureLatest.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDoAfterTerminate.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWindowWithTime.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorRetryWithPredicate.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDistinctUntilChanged.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSkipUntil.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeTimerPeriodically.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTakeTimed.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorMapPair.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeDelaySubscriptionOther.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeTimerOnce.java  
\* /rxjava-1-2-0-sources-jar/rx/functions/Actions.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSampleWithTime.java  
\*  
/rxjava-1-2-0-sources-jar/rx/internal/schedulers/NewThreadWorker.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWindowWithSize.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDistinct.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDebounceWithSelector.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorMulticast.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorEagerConcatMap.java

- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeSkipTimed.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleOnSubscribeDelaySubscriptionOther.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWindowWithObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/ExecutorScheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/ScheduledAction.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorBufferWithTime.java
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- \* /rxjava-1-2-0-sources-jar/rx/internal/util/atomic/MpscLinkedAtomicQueue.java

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\* /rxjava-1-2-0-sources-jar/rx/internal/util/SuppressAnimalSniffer.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleOnSubscribeUsing.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleOperatorOnErrorResumeNext.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/DeferredScalarSubscriber.java  
\*

/rxjava-1-2-0-sources-jar/rx/internal/operators/DeferredScalarSubscriberSafe.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeTakeLastOne.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/SchedulerLifecycle.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeReduce.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/util/ExceptionsUtils.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeFromCallable.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribePublishMulticast.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeReduceSeed.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeCollect.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleOperatorZip.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeConcatMap.java  
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\* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaObservableExecutionHookDefault.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorOnErrorResumeNextViaFunction.java  
\* /rxjava-1-2-0-sources-jar/rx/functions/Functions.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSingle.java  
\*  
/rxjava-1-2-0-sources-jar/rx/internal/util/LinkedList.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeDelayErrorIterable.java  
\* /rxjava-1-2-0-sources-jar/rx/subjects/SubjectSubscriptionManager.java  
\* /rxjava-1-2-0-sources-jar/rx/functions/Func3.java  
\* /rxjava-1-2-0-sources-jar/rx/functions/Action6.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorAll.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDoOnSubscribe.java



- \* /rxjava-1-2-0-sources-jar/rx/exceptions/MissingBackpressureException.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/util/ScalarSynchronousObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeJoin.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorWithLatestFromMany.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeUsing.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeDoOnEach.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/operators/BufferUntilSubscriber.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/BlockingOperatorToIterator.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorZipIterable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTimestamp.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSerialize.java
- \* /rxjava-1-2-0-sources-jar/rx/package-info.java
- \* /rxjava-1-2-0-sources-jar/rx/subjects/UnicastSubject.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorMapNotification.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func5.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorZip.java
- \* /rxjava-1-2-0-sources-jar/rx/exceptions/OnCompletedFailedException.java
- \* /rxjava-1-2-0-sources-jar/rx/exceptions/UnsubscribeFailedException.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Function.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorAny.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeDefer.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSequenceEqual.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorScan.java
- \* /rxjava-1-2-0-sources-jar/rx/observers/SerializedObserver.java
- \* /rxjava-1-2-0-sources-jar/rx/exceptions/CompositeException.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDoOnRequest.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorOnBackpressureDrop.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func0.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorObserveOn.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/util/BackpressureDrainManager.java
- \* /rxjava-1-2-0-sources-jar/rx/schedulers/Timestamped.java
- \* /rxjava-1-2-0-sources-jar/rx/schedulers/NewThreadScheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorOnBackpressureBuffer.java
- \* /rxjava-1-2-0-sources-jar/rx/observers/SerializedSubscriber.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action8.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeTimeout.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorThrottleFirst.java
- \* /rxjava-1-2-0-sources-jar/rx/subjects/SerializedSubject.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDoOnUnsubscribe.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTakeUntil.java
- \* /rxjava-1-2-0-sources-jar/rx/exceptions/OnErrorFailedException.java
- \* /rxjava-1-2-0-sources-jar/rx/Observer.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeToObservableFuture.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/BlockingOperatorLatest.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorMerge.java

- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeConcatArray.java
- \* /rxjava-1-2-0-sources-jar/rx/schedulers/Schedulers.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorIgnoreElements.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/NotificationLite.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/subscriptions/SequentialSubscription.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action7.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeRange.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/BlockingOperatorNext.java
- \* /rxjava-1-2-0-sources-jar/rx/subjects/TestSubject.java
- \* /rxjava-1-2-0-sources-jar/rx/observables/SyncOnSubscribe.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func6.java
- \* /rxjava-1-2-0-sources-jar/rx/observables/BlockingObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/observers/Subscribers.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorGroupBy.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTakeWhile.java
- \* /rxjava-1-2-0-sources-jar/rx/observables/GroupedObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeToMap.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action.java
- \* /rxjava-1-2-0-sources-jar/rx/subscriptions/MultipleAssignmentSubscription.java
- \*
- /rxjava-1-2-0-sources-jar/rx/subjects/PublishSubject.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action0.java
- \* /rxjava-1-2-0-sources-jar/rx/Notification.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTimeoutBase.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func2.java
- \* /rxjava-1-2-0-sources-jar/rx/observers/TestSubscriber.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CachedObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/subjects/BehaviorSubject.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeSingle.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeRedo.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action5.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorMaterialize.java
- \* /rxjava-1-2-0-sources-jar/rx/observers/TestObserver.java
- \* /rxjava-1-2-0-sources-jar/rx/subscriptions/CompositeSubscription.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorUnsubscribeOn.java
- \* /rxjava-1-2-0-sources-jar/rx/subjects/Subject.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeFromArray.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/util/SubscriptionList.java
- \* /rxjava-1-2-0-sources-jar/rx/subscriptions/BooleanSubscription.java
- \* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaObservableExecutionHook.java
- \* /rxjava-1-2-0-sources-jar/rx/Scheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/exceptions/OnErrorNotImplementedException.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeGroupJoin.java
- \* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaErrorHandler.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func4.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func9.java

- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorElementAt.java
- \* /rxjava-1-2-0-sources-jar/rx/Subscription.java
- \* /rxjava-1-2-0-sources-jar/rx/observables/ConnectableObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTimeInterval.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleOnSubscribeMap.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDematerialize.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/SleepingAction.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTakeUntilPredicate.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeFromIterable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeConcatIterable.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action4.java
- \* /rxjava-1-2-0-sources-jar/rx/Completable.java
- \* /rxjava-1-2-0-sources-jar/rx/exceptions/Exceptions.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorAsObservable.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/ActionN.java
- \* /rxjava-1-2-0-sources-jar/rx/subscriptions/Subscriptions.java
- \* /rxjava-1-2-0-sources-jar/rx/schedulers/package-info.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSkip.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTimeout.java
- \* /rxjava-1-2-0-sources-jar/rx/observers/SafeSubscriber.java
- \*
- /rxjava-1-2-0-sources-jar/rx/subscriptions/RefCountSubscription.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeFilter.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorDelay.java
- \* /rxjava-1-2-0-sources-jar/rx/schedulers/ImmediateScheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/util/IndexedRingBuffer.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/BlockingOperatorToFuture.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTakeLast.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorCast.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/util/RxRingBuffer.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeIterable.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSwitchIfEmpty.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action2.java
- \* /rxjava-1-2-0-sources-jar/rx/subscriptions/SerialSubscription.java
- \* /rxjava-1-2-0-sources-jar/rx/Subscriber.java
- \*
- /rxjava-1-2-0-sources-jar/rx/internal/schedulers/CachedThreadScheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorToObservableList.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/EventLoopsScheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Action9.java
- \* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaPlugins.java
- \* /rxjava-1-2-0-sources-jar/rx/functions/Func7.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeMerge.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTake.java
- \* /rxjava-1-2-0-sources-jar/rx/schedulers/TestScheduler.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleDoOnEvent.java
- \* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeArray.java

```

* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeDelayErrorArray.java
* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/ImmediateScheduler.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSkipLastTimed.java
*
/rxjava-1-2-0-sources-jar/rx/schedulers/TrampolineScheduler.java
* /rxjava-1-2-0-sources-jar/rx/functions/Func1.java
* /rxjava-1-2-0-sources-jar/rx/functions/FuncN.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/BlockingOperatorMostRecent.java
* /rxjava-1-2-0-sources-jar/rx/subjects/AsyncSubject.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorReplay.java
* /rxjava-1-2-0-sources-jar/rx/functions/Func8.java
* /rxjava-1-2-0-sources-jar/rx/exceptions/OnErrorThrowable.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSkipLast.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSubscribeOn.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorSkipWhile.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeMap.java
* /rxjava-1-2-0-sources-jar/rx/observers/Observers.java
* /rxjava-1-2-0-sources-jar/rx/subjects/ReplaySubject.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeAutoConnect.java
*
/rxjava-1-2-0-sources-jar/rx/functions/Action3.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTimeoutWithSelector.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableOnSubscribeConcat.java
* /rxjava-1-2-0-sources-jar/rx/schedulers/TimeInterval.java
* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/TrampolineScheduler.java
* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/GenericScheduledExecutorService.java
* /rxjava-1-2-0-sources-jar/rx/Producer.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorToObservableSortedList.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeAmb.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OperatorTakeLastTimed.java
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```

core/src/main/java/org/jctools/queues/MessagePassingQueue.java

\*/

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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert UnsafeAccess.isUnsafeAvailable() == true

Much of the code in this package comes from or is inspired by the JCTools project:  
<https://github.com/JCTools/JCTools>

JCTools has now published artifacts (<https://github.com/JCTools/JCTools/issues/17>) so RxJava could add JCTools as a "shadow" dependency (<https://github.com/ReactiveX/RxJava/issues/1735>).

RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an externally visible dependency that results in a separate jar.

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\* /rxjava-1-2-0-sources-jar/rx/functions/package-info.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/GenericScheduledExecutorServiceFactory.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeOnAssemblySingle.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/util/ActionObserver.java  
\*  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/EmptyObservableHolder.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableFlatMapSingleToCompletable.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/util/ObserverSubscriber.java

```

* /rxjava-1-2-0-sources-jar/rx/observables/package-info.java
* /rxjava-1-2-0-sources-jar/rx/singles/package-info.java
* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaCompletableExecutionHook.java
* /rxjava-1-2-0-sources-jar/rx/internal/schedulers/SchedulerWhen.java
* /rxjava-1-2-0-sources-jar/rx/subjects/package-info.java
* /rxjava-1-2-0-sources-jar/rx/observers/AsyncCompletableSubscriber.java
* /rxjava-1-2-0-sources-jar/rx/internal/util/ActionNotificationObserver.java
* /rxjava-1-2-0-sources-jar/rx/exceptions/AssemblyStackTraceException.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/NeverObservableHolder.java
* /rxjava-1-2-0-sources-jar/rx/annotations/package-info.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeDetach.java
*
/rxjava-1-2-0-sources-jar/rx/AsyncEmitter.java
* /rxjava-1-2-0-sources-jar/rx/internal/util/ActionSubscriber.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeOnAssembly.java
* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaSingleExecutionHook.java
* /rxjava-1-2-0-sources-jar/rx/BackpressureOverflow.java
* /rxjava-1-2-0-sources-jar/rx/internal/util/InternalObservableUtils.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeFlattenIterable.java
* /rxjava-1-2-0-sources-jar/rx/observers/package-info.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeOnAssemblyCompletable.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeFromEmitter.java
* /rxjava-1-2-0-sources-jar/rx/internal/subscriptions/Unsubscribed.java
* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaHooks.java
* /rxjava-1-2-0-sources-jar/rx/plugins/RxJavaSingleExecutionHookDefault.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeLift.java
*
/rxjava-1-2-0-sources-jar/rx/observers/SafeCompletableSubscriber.java
* /rxjava-1-2-0-sources-jar/rx/subscriptions/package-info.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeThrow.java
* /rxjava-1-2-0-sources-jar/rx/exceptions/package-info.java
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\* /rxjava-1-2-0-sources-jar/rx/Single.java  
\* /rxjava-1-2-0-sources-jar/rx/internal/operators/OnSubscribeCombineLatest.java

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core/src/main/java/org/jctools/queues/QueueProgressIndicators.java
 */
```

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\* /rxjava-1-2-0-sources-jar/rx/internal/operators/CompletableFromEmitter.java  
\* /rxjava-1-2-0-sources-jar/rx/CompletableEmitter.java  
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core/src/main/java/org/jctools/queues/atomic/SpscLinkedAtomicQueue.java
 */

```

Found in path(s):

```
* /rxjava-1-2-0-sources-jar/rx/internal/util/atomic/SpscLinkedAtomicQueue.java
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====

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Found in path(s):

```
* /rxjava-1-2-0-sources-jar/rx/internal/operators/README.md
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core/src/main/java/org/jctools/queues/SpscArrayQueue.java
 */
```

Found in path(s):

```
* /rxjava-1-2-0-sources-jar/rx/internal/util/unsafe/SpscArrayQueue.java
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Found in path(s):

```
* /rxjava-1-2-0-sources-jar/rx/observables/AsyncOnSubscribe.java
* /rxjava-1-2-0-sources-jar/rx/internal/operators/SingleDoAfterTerminate.java
* /rxjava-1-2-0-sources-jar/rx/internal/util/BlockingUtils.java
* /rxjava-1-2-0-sources-jar/rx/SingleSubscriber.java
* /rxjava-1-2-0-sources-jar/rx/singles/BlockingSingle.java
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 */

```

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```

* /rxjava-1-2-0-sources-jar/rx/internal/util/unsafe/MpscLinkedQueue.java
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 * Original location: https://github.com/JCTools/JCTools/blob/master/jctools-
core/src/main/java/org/jctools/util/UnsafeAccess.java
 */

```

Found

in path(s):

```

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```

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Found in path(s):

\* /rxjava-1-2-0-sources-jar/rx/internal/producers/QueuedValueProducer.java  
 \* /rxjava-1-2-0-sources-jar/rx/internal/operators/BackpressureUtils.java  
 \* /rxjava-1-2-0-sources-jar/rx/internal/producers/QueuedProducer.java  
 \* /rxjava-1-2-0-sources-jar/rx/internal/producers/ProducerObserverArbiter.java  
 \* /rxjava-1-2-0-sources-jar/rx/internal/producers/ProducerArbiter.java  
 \*  
 \* /rxjava-1-2-0-sources-jar/rx/internal/producers/SingleProducer.java  
 \* /rxjava-1-2-0-sources-jar/rx/internal/producers/SingleDelayedProducer.java  
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- \* /rxjava-1-2-0-sources-jar/rx/internal/util/unsafe/Pow2.java

## 1.11 servlet-api 4.0.4

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- \* /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
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# 1.13 xerces-j 2.12.2

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## 1.19 httpclient-cache 4.5.13

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## 1.20 jakarta-annotation-api 1.3.5

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- jar/javax/validation/valueextraction/ValueExtractorDeclarationException.java
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- jar/javax/validation/valueextraction/ValueExtractorDefinitionException.java
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- \* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidatorFactory.java
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## 1.25 hk2-locator 2.6.1

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## 1.28 hk2-api 2.6.1

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* /asm-8-0-1-sources-2-jar/org/objectweb/asm/CurrentFrame.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/MethodWriter.java  
*  
/asm-8-0-1-sources-2-jar/org/objectweb/asm/AnnotationWriter.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/RecordComponentVisitor.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/Frame.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/Type.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/TypeReference.java  
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* /asm-8-0-1-sources-2-jar/org/objectweb/asm/MethodTooLargeException.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/ClassWriter.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/Attribute.java  
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*  
/asm-8-0-1-sources-2-jar/org/objectweb/asm/signature/SignatureWriter.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/MethodVisitor.java  
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* /asm-8-0-1-sources-2-jar/org/objectweb/asm/Edge.java  
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* /asm-8-0-1-sources-2-jar/org/objectweb/asm/signature/SignatureReader.java  
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* /asm-8-0-1-sources-2-jar/org/objectweb/asm/ByteVector.java  
* /asm-8-0-1-sources-2-jar/org/objectweb/asm/signature/SignatureVisitor.java  
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```
 * /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/NoAllocation.java  
 * /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java  
 * /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/LockMethod.java  
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```
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/FormatString.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/FormatMethod.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/MustBeClosed.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/RestrictedApi.java
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```
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/RequiredModifiers.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
*
/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CompileTimeConstant.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/Immutable.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/Var.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/LazyInit.java
* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/ForOverride.java
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- \* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/DoNotCall.java
- \* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
- \* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CheckReturnValue.java
- \*
- \* /error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java

## 1.35 jsr311-api 1.1.1

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- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Path.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/MatrixParam.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/WebApplicationException.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/DELETE.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Application.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/GET.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Cookie.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/Provider.java
- \*
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/QueryParam.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/UriBuilderException.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/FormParam.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Produces.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/CacheControl.java

- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Variant.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/MediaType.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/SecurityContext.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Encoded.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/OPTIONS.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/UriInfo.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/PathSegment.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Context.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/CookieParam.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/EntityTag.java
- \*

- /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/HttpMethod.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Consumes.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/HEAD.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/HttpHeaders.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/MultivaluedMap.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/UriBuilder.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/DefaultValue.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/PUT.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/HeaderParam.java
- \* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/NewCookie.java
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\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Request.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/RuntimeDelegate.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/ContextResolver.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/FactoryFinder.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ApplicationPath.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/MessageBodyWriter.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/StreamingOutput.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Response.java  
\*  
/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/MessageBodyReader.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/Providers.java  
\* /jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/ExceptionMapper.java

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\* /feign-hystrix-10-12-sources-jar/feign/hystrix/HystrixFeign.java

\* /feign-hystrix-10-12-sources-jar/feign/hystrix/SetterFactory.java

\* /feign-hystrix-10-12-sources-jar/feign/hystrix/FallbackFactory.java

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## 1.42 log4j-api 2.17.1

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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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\* /gae-mini-profiler-1-1-1-sources-jar/com/google/appengine/tools/appstats/MiniProfilerAppstats.java

\* /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

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\* <http://github.com/jquery/jquery-tmpl>

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```

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 * jQuery JavaScript Library v1.6.2
 * http://jquery.com/
 *
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 * http://jquery.org/license
 *
 * Includes Sizzle.js
 * http://sizzlejs.com/
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 *
 * Date: Thu Jun 30 14:16:56 2011 -0400
 */

```

Found in path(s):

```

* /gae-mini-profiler-1-1-1-sources-jar/ca/jimr/gae/profiler/resources/jquery-1.6.2.min.js

```

## 1.47 annotations 4.1.1.4

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 */

```

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```

* /annotations-4-1-1-4-sources-jar/android/annotation/SuppressLint.java
* /annotations-4-1-1-4-sources-jar/android/annotation/TargetApi.java

```

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## 1.49 jul-to-slf4j 1.7.36

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\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpContentResponse.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpDestination.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/LeakTrackingConnectionPool.java  
\*  
/jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/GZIPContentDecoder.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/http/HttpDestinationOverHTTP.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/FutureResponseListener.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/BasicAuthentication.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/PathContentProvider.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/StringContentProvider.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/Synchronizable.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/ProtocolHandler.java  
\* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/Response.java

```

* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpConversation.java
*
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* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpConnection.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpChannel.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpRequestException.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/BufferingResponseListener.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpRedirector.java
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/jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/Authentication.java
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* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpAuthenticationStore.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpExchange.java
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* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/ContentProvider.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/http/HttpClientTransportOverHTTP.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/DeferredContentProvider.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/MultiplexHttpDestination.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/RequestNotifier.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/AsyncContentProvider.java
*
/jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpClient.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/http/HttpReceiverOverHTTP.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpClientTransport.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/InputStreamResponseListener.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpResponse.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpResponseException.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/ContentDecoder.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/package-info.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/BytesContentProvider.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/InputStreamContentProvider.java
*
/jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/WWWAAuthenticationProtocolHandler.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpRequest.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/RedirectProtocolHandler.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/Connection.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/Destination.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/Request.java
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* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/ConnectionPool.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/OutputStreamContentProvider.java
*

```

```

/jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/AuthenticationProtocolHandler.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/ByteBufferContentProvider.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/DigestAuthentication.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/package-info.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/Socks4Proxy.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpSender.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/package-info.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/AbstractHttpClientTransport.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/ContentResponse.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/HttpContent.java
*
/jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/api/Result.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/PoolingHttpDestination.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/util/AbstractTypedContentProvider.java
* /jetty-client-9-2-13-v20150730-sources-1-jar/org/eclipse/jetty/client/http/HttpConnectionOverHTTP.java

```

# 1.51 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

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# 1.53 javassist 3.29.2-GA

## 1.53.1 Available under license :

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```
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 */
```

Found in path(s):

```
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ByteStream.java
* /javassist-3-29-2-ga-sources-jar/javassist/tools/Callback.java
* /javassist-3-29-2-ga-sources-jar/javassist/CtConstructor.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/InnerClassesAttribute.java
*
/javassist-3-29-2-ga-sources-jar/javassist/compiler/Lex.java
* /javassist-3-29-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /javassist-3-29-2-ga-sources-jar/javassist/CtNewClass.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/NewExpr.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/CodeIterator.java
* /javassist-3-29-2-ga-sources-jar/javassist/CtNewWrappedConstructor.java
* /javassist-3-29-2-ga-sources-jar/javassist/expr/FieldAccess.java
* /javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/Loader.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/IntQueue.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Member.java
* /javassist-3-29-2-ga-sources-jar/javassist/scopedpool/ScopedClassPool.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/LineNumberAttribute.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/BinExpr.java
*
/javassist-3-29-2-ga-sources-jar/javassist/bytecode/StackMap.java
* /javassist-3-29-2-ga-sources-jar/javassist/runtime/Desc.java
* /javassist-3-29-2-ga-sources-jar/javassist/scopedpool/SoftValueHashMap.java
* /javassist-3-29-2-ga-sources-jar/javassist/tools/web/Viewer.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/BasicBlock.java
```



- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/FactoryHelper.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/Modifier.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/Type.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/NestMembersAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/ByteArrayClassPath.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/MemberCodeGen.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/NestHostAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/KeywordTable.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/expr/Expr.java
- \*
- /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Pair.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/ClassClassPath.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/AccessFlag.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/Transformer.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/HotSwapAgent.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ProceedHandler.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtClassType.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/FieldInfo.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/rmi/ObjectNotFoundException.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformNewClass.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/runtime/Inner.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/ClassMap.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/ClassPoolTail.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/ClassPath.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ClassFilePrinter.java
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- /javassist-3-29-2-ga-sources-jar/javassist/compiler/TypeChecker.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ParameterAnnotationsAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformAfter.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ConstantAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/ClassPool.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/DeprecatedAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/web/BadHttpRequest.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/ProxyFactory.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/CastExpr.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/ASTree.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/Frame.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtNewMethod.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/TypeData.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtPrimitiveType.java
- \*
- /javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/MapMaker.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/InstanceOfExpr.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/SerializedProxy.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/expr/ExprEditor.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/Translator.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/LoaderClassPath.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/Analyzer.java

- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformReadField.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/expr/Handler.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactory.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/NoSuchClassError.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/BadBytecode.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Stmnt.java
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- /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ByteArray.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Symbol.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformCall.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformFieldAccess.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/rmi/AppletServer.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/Parser.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/Proxy.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Keyword.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/expr/NewArray.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/CallExpr.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CodeConverter.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/DoubleConst.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformAccessArrayField.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/rmi/ObjectImporter.java
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- /javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/CannotReflectException.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformWriteField.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/Opcodes.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/EnclosingMethodAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/MultiArrayType.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/Compiler.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/ProxyObjectOutputStream.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Declarator.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CannotCompileException.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/Tracer.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtBehavior.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/IntConst.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/expr/MethodCall.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/framedump.java
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- /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/DefinePackageHelper.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/Subroutine.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/JvstCodeGen.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformBefore.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtMethod.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Visitor.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/Loader.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/CodeGen.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/FramePrinter.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/rmi/StubGenerator.java

- \* /javassist-3-29-2-ga-sources-jar/javassist/runtime/DotClass.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/CodeAttribute.java
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- /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ConstPool.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/SerialVersionUID.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/FieldDecl.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/LongVector.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ExceptionsAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/TypedBlock.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/StackMapTable.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/LocalVariableAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
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- \* /javassist-3-29-2-ga-sources-jar/javassist/CtMember.java
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- /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/CondExpr.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtNewConstructor.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/expr/ConstructorCall.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/Executor.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/SyntaxError.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/SymbolTable.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/ClassMetaobject.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/rmi/Sample.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/Dump.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtNewWrappedMethod.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/MethodHandler.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/ProxyObject.java
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- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/ControlFlow.java
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- /javassist-3-29-2-ga-sources-jar/javassist/NotFoundException.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepository.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/SyntheticAttribute.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/AccessorMaker.java
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- \* /javassist-3-29-2-ga-sources-jar/javassist/runtime/Cflow.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/CompileError.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtClass.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/CannotCreateException.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/Bytecode.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/ASTList.java
- \* /javassist-3-29-2-ga-sources-jar/javassist/CtArray.java
- \*

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/javassist-3-29-2-ga-sources-jar/javassist/bytecode/stackmap/TypeTag.java
* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/DefineClassHelper.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/MultiType.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/MethodInfo.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/ClassFile.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /javassist-3-29-2-ga-sources-jar/javassist/expr/Instanceof.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/MethodDecl.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/AssignExpr.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/Mnemonic.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/Util.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/NoFieldException.java
* /javassist-3-29-2-ga-sources-jar/javassist/expr/Cast.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java
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* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/AnnotationsWriter.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/MemberResolver.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Expr.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/SourceFileAttribute.java
* /javassist-3-29-2-ga-sources-jar/javassist/convert/TransformNew.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/ArrayInit.java
*
/javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/CannotInvokeException.java
* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/SecurityActions.java
* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/InstructionPrinter.java
* /javassist-3-29-2-ga-sources-jar/javassist/tools/web/Webserver.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/StringL.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/TokenId.java
* /javassist-3-29-2-ga-sources-jar/javassist/compiler/ast/Variable.java
* /javassist-3-29-2-ga-sources-jar/javassist/util/proxy/RuntimeSupport.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/AttributeInfo.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/SignatureAttribute.java
* /javassist-3-29-2-ga-sources-jar/javassist/tools/reflect/Reflection.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java
*
/javassist-3-29-2-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java
* /javassist-3-29-2-ga-sources-jar/javassist/CtField.java
* /javassist-3-29-2-ga-sources-jar/javassist/expr/NewExpr.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java

```

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

```
/*
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 */
```

Found in path(s):

```
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/MemberValue.java
*
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/LongMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/CharMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/Annotation.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/StringMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java
*
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /javassist-3-29-2-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
```

## 1.54 httpcomponents-core 4.4.16

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## 1.57 jctools-core 4.0.1

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\* /jctools-core-4-0-1-1-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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Manifest-Version: 1.0

Bnd-LastModified: 1662622707903

Build-Jdk-Spec: 11

Bundle-Description: Java Concurrency Tools Core Library

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Java Concurrency Tools Core Library

Bundle-SymbolicName: org.jctools.core

Bundle-Version: 4.0.1

Created-By: Apache Maven Bundle Plugin 5.1.6

Export-Package: org.jctools.maps;version="4.0.1",org.jctools.util;uses:="sun.misc";version="4.0.1",org.jctools.queues;version="4.0.1",org.jctools.queues.atomic;uses="org.jctools.queues";version="4.0.1",org.jctools.queues.unpadded;uses="org.jctools.queues";version="4.0.1",org.jctools.counters;version="4.0.1"

Import-Package: sun.misc;resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.2.0.202202251641

Found in path(s):

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## 1.58 error\_prone\_annotations 2.18.0

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\* /error-prone-annotations-2-18-0-jar/META-INF/maven/com.google.errorprone/error\_prone\_annotations/pom.xml

## 1.59 gson 2.10.1

### 1.59.1 Available under license :

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Manifest-Version: 1.0

Created-By: 11.0.16.1 (Azul Systems, Inc.)

Build-Jdk-Spec: 11

Bnd-LastModified: 1673019830620

Bundle-ContactAddress: <https://github.com/google/gson>

Bundle-Description: Gson JSON library

Bundle-Developers: google;organization=Google;organizationUrl="https://www.google.com"

Bundle-DocURL: <https://github.com/google/gson/gson>

Bundle-License: "Apache-2.0";link="https://www.apache.org/licenses/LICENSE-2.0.txt"

Bundle-ManifestVersion: 2

Bundle-Name: Gson  
Bundle-RequiredExecutionEnvironment: JavaSE-1.7, JavaSE-1.8  
Bundle-SCM: url="https://github.com/google/gson/gson/",connection="scm:git:https://github.com/google/gson.git/gson",developer-connection="scm:git:git@github.com:google/gson.git/gson",tag="gson-parent-2.10.1"  
Bundle-SymbolicName: com.google.gson  
Bundle-Vendor: Google Gson Project  
Bundle-Version: 2.10.1  
Export-Package: com.google.gson;uses:="com.google.gson.reflect,com.google.gson.stream";version="2.10.1",com.google.gson.annotations;version="2.10.1",com.google.gson.reflect;version="2.10.1",com.google.gson.stream;version="2.10.1"  
Import-Package: sun.misc;resolution:=optional,com.google.gson.annotations  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"  
Tool: Bnd-6.4.0.202211291949  
Multi-Release: true

Found in path(s):

\* /gson-2-10-1-jar/META-INF/MANIFEST.MF

## 1.60 rate-limited-logger 2.0.2

### 1.60.1 Available under license :

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## 1.61 bridgeutils 1.7.1-r2

### 1.61.1 Available under license :

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## 1.63 aop-alliance 2.6.1

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```

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{\*\expandedcolortbl;\cssrgb\c0\c0\c0;}
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\pard\pardefTAB720\sl300\partightenfactor0

\font1\fs26 \cf2 <!--\
\
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SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0\
\
-->\
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-
v4_0_0.xsd">\
<modelVersion>4.0.0</modelVersion>\
<parent>\
<groupId>org.glassfish.hk2</groupId>\
<artifactId>external</artifactId>\
<version>2.6.1</version>\
</parent>\
<groupId>org.glassfish.hk2.external</groupId>\
<artifactId>aopalliance-repackaged</artifactId>\
<name>\
aopalliance version ${aopalliance.version} repackaged as a module\
</name>\
<build>\
<plugins>\
<plugin>\
<groupId>org.apache.maven.plugins</groupId>\

```

```

<artifactId>maven-dependency-plugin</artifactId>\
<executions>\
<execution>\
<id>step1-unpack-sources</id>\
<phase>process-sources</phase>\
<goals>\
<goal>unpack</goal>\
</goals>\
<configuration>\
<artifactItems>\
<artifactItem>\
<groupId>aopalliance</groupId>\
<artifactId>aopalliance</artifactId>\
<version>${aopalliance.version}</version>\
<classifier>sources</classifier>\
<overWrite>>false</overWrite>\
<outputDirectory>${project.build.directory}/alternateLocation</outputDirectory>\
</artifactItem>\
</artifactItems>\
</configuration>\
</execution>\
</executions>\
</plugin>\
<plugin>\
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<artifactId>build-helper-maven-plugin</artifactId>\
<executions>\
<execution>\
<id>step2-add-sources</id>\
<phase>process-sources</phase>\
<goals>\
<goal>add-source</goal>\
</goals>\
<configuration>\
<sources>\
<source>${project.build.directory}/alternateLocation</source>\
</sources>\
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</execution>\
</executions>\
</plugin>\
<plugin>\
<groupId>org.apache.felix</groupId>\
<artifactId>maven-bundle-plugin</artifactId>\
<configuration>\
<instructions>\
<Embed-Dependency>'a0*;scope=compile;inline=true'a0</Embed-Dependency>\
<!--\

```

We set a mandatory attribute for these packages, because we don't want them to be visible to just anyone. An importer must specify the mandatory attribute for it to be able to import. See section #3.6.5 of OSGi R4 spec.

Why is this required?

See [https://glassfish.dev.java.net/issues/show\\_bug.cgi?id=5385](https://glassfish.dev.java.net/issues/show_bug.cgi?id=5385)

By doing this, we allow user have any version of apache-commons lib in their application class loader hierarchy. They don't even have to set delegation=false in sun-web.xml! This is the true advantage of using OSGi.

Sahoo.

```

\
-->
<Export-Package>org.aopalliance.*;version=${aopalliance.version}</Export-Package>
<Private-Package>!*</Private-Package>
</instructions>
</configuration>
<executions>
<execution>
<id>osgi-manifest</id>
<phase>process-classes</phase>
<goals>
<goal>manifest</goal>
</goals>
</execution>
</executions>
</plugin>
</plugins>
</build>
<dependencies>
<dependency>
<groupId>aopalliance</groupId>
<artifactId>aopalliance</artifactId>
<version>${aopalliance.version}</version>
<optional>true</optional>
</dependency>
</dependencies>
</project>
}

```

Found in path(s):

\* /aopalliance-2-6-1-zip/aopalliance-2.6.1.rtf

## 1.64 tre 0.8.0-r2

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

Found in path(s):

```
* /snakeyaml-2-2-sources-
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java
* /snakeyaml-2-2-sources-
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java
No license file was found, but licenses were detected in source scan.
```

```
/**
 * Copyright (c) 2008, SnakeYAML
 *
 * 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
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software distributed under the License
 * is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
 * express
```

\* or implied. See the License for the specific language governing permissions and limitations under  
\* the License.  
\*/

Found in path(s):

\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/error/Mark.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/resolver/Resolver.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/CustomClassLoaderConstructor.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/error/MarkedYAMLErrorException.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/scanner/ScannerImpl.java  
\*  
/snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/representer/SafeRepresenter.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/Node.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/serializer/SerializerException.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/inspector/TagInspector.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/error/YAMLErrorException.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/Event.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/Yaml.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/DocumentEndEvent.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/inspector/UnTrustedTagInspector.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/SequenceStartEvent.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/CollectionNode.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/BaseConstructor.java  
\*  
/snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/emitter/EmitterState.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/FlowSequenceStartToken.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/comments/CommentEventsCollector.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/util/ArrayUtils.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/composer/ComposerException.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/comments/CommentType.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/SequenceNode.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/parser/VersionTagsTuple.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/ValueToken.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/NodeTuple.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/util/ArrayStack.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/reader/StreamReader.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/composer/Composer.java  
\*  
/snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/internal/Logger.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/FlowMappingStartToken.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/NodeEvent.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/reader/ReaderException.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/DocumentEndToken.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/util/EnumUtils.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/parser/ParserImpl.java  
\* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/emitter/Emitter.java

- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/CollectionEndEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/PropertySubstitute.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/Property.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/ScalarNode.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/TagTuple.java
- \*
- /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/serializer/Serializer.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/SafeConstructor.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/StreamStartEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/representer/BaseRepresenter.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/BlockEntryToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/CommentToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/StreamEndToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/SequenceEndEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/scanner/ScannerException.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/emitter/Emitable.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/AliasEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/DirectiveToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/DocumentStartEvent.java
- \*
- /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/CollectionStartEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/AliasToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/emitter/EmitterException.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/env/EnvScalarConstructor.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/GenericProperty.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/AnchorToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/util/PlatformFeatureDetector.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/NodeId.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/DocumentStartToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/BlockMappingStartToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/BeanAccess.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/StreamStartToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/parser/Production.java
- \*
- /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/parser/ParserException.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/AnchorNode.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/FlowSequenceEndToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/scanner/Constant.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/scanner/Scanner.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/ScalarToken.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/comments/CommentLine.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/CommentEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/Construct.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/ImplicitTuple.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/ScalarEvent.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/error/MissingEnvironmentVariableException.java
- \* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/representer/Represent.java
- \*

```

/snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/Tag.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/StreamEndEvent.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/PackageCompactConstructor.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/AbstractConstruct.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/Constructor.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/PropertyUtils.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/DumperOptions.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/MissingProperty.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/nodes/MappingNode.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/FlowEntryToken.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/TagToken.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/parser/Parser.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/MappingEndEvent.java
*
/snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/ConstructorException.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/CompactConstructor.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/CompactData.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/reader/UnicodeReader.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/representer/Representer.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/util/UriEncoder.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/KeyToken.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/events/MappingStartEvent.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/TypeDescription.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/LoaderOptions.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/MethodProperty.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/BlockEndToken.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/resolver/ResolverTuple.java
*
/snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/BlockSequenceStartToken.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/introspector/FieldProperty.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/FlowMappingEndToken.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/tokens/Token.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/constructor/DuplicateKeyException.java
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/scanner/SimpleKey.java

```

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

<name>Apache License, Version 2.0</name>

<url><http://www.apache.org/licenses/LICENSE-2.0.txt></url>

Found in path(s):

```
* /snakeyaml-2-2-sources-jar/META-INF/maven/org.yaml/snakeyaml/pom.xml
```

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

```

// This module is multi-licensed and may be used under the terms
// EPL, Eclipse Public License, V1.0 or later, http://www.eclipse.org/legal
// LGPL, GNU Lesser General Public License, V2.1 or later, http://www.gnu.org/licenses/lgpl.html
// GPL, GNU General Public License, V2 or later, http://www.gnu.org/licenses/gpl.html

```

```
// AL, Apache License, V2.0 or later, http://www.apache.org/licenses
// BSD, BSD License, http://www.opensource.org/licenses/bsd-license.php
/**
 * A Base64 encoder/decoder.
 *
 * <p>
 * This class is used to encode and decode data in Base64 format as described in RFC 1521.
 *
 * <p>
 * Project home page: <a href="http://www.source-code.biz/base64coder/java/">www.
 * source-code.biz/base64coder/java</a><br>
 * Author: Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland<br>
 * Multi-licensed: EPL / LGPL / GPL / AL / BSD.
 */

Found in path(s):
* /snakeyaml-2-2-sources-jar/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
```

## 1.67 free-type 2.13.2

### 1.67.1 Available under license :

```
# Files that don't get a copyright, or which are taken from elsewhere.
#
# All lines in this file are patterns (relative to the top-level directory),
# including the comment lines; this 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!
#
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/bdfplib.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/ftzconf.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  
#  
subprojects/dlg  
#  
#  
EOF

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2006-Jan-27

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=====

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o freetype-devel@nongnu.org

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--- end of FTL.TXT ---

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```

Found in path(s):

```
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/Weak.java
*/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/AutoreleasePool.java
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Found in path(s):

```

* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/ReflectionSupport.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/RetainedWith.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/WeakOuter.java
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/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/ObjectiveCName.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/Property.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/LoopTranslation.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/OnDealloc.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/RetainedLocalRef.java

```

## 1.70 animal-sniffer-annotation 1.23

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Found in path(s):

```
* /animal-sniffer-annotations-1-23-1-jar/META-INF/maven/org.codehaus.mojo/animal-sniffer-annotations/pom.xml
```

# 1.71 okio 3.6.0

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Found in path(s):

- \* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Sha512.kt
- \* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Md5.kt
- \* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Sha1.kt
- \* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Sha256.kt

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Found in path(s):

```
* /okio-3-6-0-sources-jar/commonMain/okio/internal/FileSystem.kt
* /okio-3-6-0-sources-jar/commonMain/okio/FileHandle.kt
* /okio-3-6-0-sources-jar/unixMain/okio/UnixFileHandle.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/FileSystem.kt
```

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- \* /okio-3-6-0-sources-jar/commonMain/okio/Okio.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/Timeout.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/RealBufferedSink.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/Buffer.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/BufferedSink.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/Timeout.kt
- \*
- /okio-3-6-0-sources-jar/commonMain/okio/Buffer.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/BufferedSink.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/Sink.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/BufferedSource.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/internal/Buffer.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/RealBufferedSource.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/Sink.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/Source.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/BufferedSource.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/RealBufferedSink.kt

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* /okio-3-6-0-sources-jar/commonMain/okio/internal/-Utf8.kt
* /okio-3-6-0-sources-jar/nonAppleMain/okio/ByteString.kt
* /okio-3-6-0-sources-jar/commonMain/okio/Util.kt
* /okio-3-6-0-sources-jar/commonMain/okio/CommonPlatform.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/ByteString.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/NonJvmPlatform.kt
*
* /okio-3-6-0-sources-jar/commonMain/okio/ByteString.kt
* /okio-3-6-0-sources-jar/appleMain/okio/ByteString.kt

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* /okio-3-6-0-sources-jar/commonMain/okio/internal/RealBufferedSource.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/SegmentedByteString.kt
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* /okio-3-6-0-sources-jar/commonMain/okio/ForwardingSource.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/SegmentPool.kt
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```

Found in path(s):

```
* /okio-3-6-0-sources-jar/commonMain/okio/Utf8.kt
```

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

```

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```

Found in path(s):

```

* /okio-3-6-0-sources-jar/nativeMain/okio/Cinterop.kt
* /okio-3-6-0-sources-jar/unixMain/okio/UnixPosixVariant.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/Path.kt
* /okio-3-6-0-sources-jar/linuxMain/okio/LinuxPosixVariant.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/PosixFileSystem.kt
* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Hmac.kt
*
* /okio-3-6-0-sources-jar/nativeMain/okio/PosixVariant.kt
* /okio-3-6-0-sources-jar/commonMain/okio/HashingSource.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/FileSource.kt
* /okio-3-6-0-sources-jar/appleMain/okio/ApplePosixVariant.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/FileSink.kt

```

- \* /okio-3-6-0-sources-jar/commonMain/okio/FileSystem.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/HashingSink.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/FileMetadata.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/Path.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/HashingSink.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/ForwardingFileSystem.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/ExperimentalFileSystem.kt
- \* /okio-3-6-0-sources-jar/nonJvmMain/okio/HashingSource.kt
- \* /okio-3-6-0-sources-jar/commonMain/okio/Path.kt

## 1.72 guava 32.1.3-jre

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\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/extra/AsiExtraField.java  
\*  
/zt-zip-1-16-sources-jar/org/zeroturnaround/zip/extra/ZipShort.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/extra/ZipExtraField.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/extra/ExtraFieldUtils.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/extra/UnrecognizedExtraField.java  
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\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/Zips.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/timestamps/Java8TimestampStrategy.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/timestamps/PreJava8TimestampStrategy.java  
\*  
/zt-zip-1-16-sources-jar/org/zeroturnaround/zip/ZipEntryUtil.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/IdentityNameMapper.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/FileSource.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/NameMapper.java  
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\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/ZTFileUtil.java  
\* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/timestamps/TimestampStrategyFactory.java  
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*
* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/commons/FileUtilsV2_2.java
* /zt-zip-1-16-sources-jar/org/zeroturnaround/zip/commons/FileExistsException.java
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```

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 */
```

Found in path(s):

- \* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformCall.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/MethodCall.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/NestHostAttribute.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/expr/NewExpr.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/Metaobject.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/SerialVersionUID.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/Opcodes.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/RemoteRef.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/MultiType.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/scopedpool/SoftValueHashMap.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/Executor.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/runtime/DotClass.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/CodeGen.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Expr.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/Parser.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformNew.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ByteArray.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/CtNewClass.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/stackmap/TypeData.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/FieldAccess.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/Proxy.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/NotFoundException.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/runtime/Inner.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/DefinePackageHelper.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/InstanceOf.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/web/Viewer.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/ClassPath.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/StackMapTable.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/stackmap/Tracer.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/Cast.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/CannotInvokeException.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/Javac.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/CtArray.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ParameterAnnotationsAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/NewArray.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactory.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/ClassPoolTail.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Visitor.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/ClassMetaobject.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/Util.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/URLClassPath.java

- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/ProxyObject.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/DefineClassHelper.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/CtPrimitiveType.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/bytecode/SignatureAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/SyntheticAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/TypeChecker.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Pair.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/Analyzer.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/Translator.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/Expr.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/MethodInfo.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/Dump.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/RemoteException.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/StackMap.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ExceptionTable.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/CodeAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/MethodFilter.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/stackmap/TypedBlock.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/AttributeInfo.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/JvstTypeChecker.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/CtNewWrappedMethod.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Symbol.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/StringL.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/ConstructorCall.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/BinExpr.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/LineNumberAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/Modifier.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/Loader.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/CondExpr.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/CtClassType.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/framedump.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Variable.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/TokenId.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/Mnemonic.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/AnnotationsWriter.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/Proxy.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformNewClass.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/Lex.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/scopedpool/ScopedClassPool.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/Loader.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/CannotCreateException.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/stackmap/TypeTag.java
- \*

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/javassist-3-30-2-ga-sources-jar/javassist/compiler/NoFieldException.java
* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/Compiler.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/InstructionPrinter.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ByteStream.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/LocalVariableAttribute.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/AccessFlag.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/SourceFileAttribute.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/RuntimeSupport.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/AccessorMaker.java
* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/CannotReflectException.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/LongVector.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/FieldInfo.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ProceedHandler.java
*
/javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/AssignExpr.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/IntConst.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/DeprecatedAttribute.java
* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformAccessArrayField.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/SymbolTable.java
* /javassist-3-30-2-ga-sources-jar/javassist/CannotCompileException.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/FramePrinter.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/ASTree.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/ArrayInit.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/stackmap/BasicBlock.java
* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/Reflection.java
* /javassist-3-30-2-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /javassist-3-30-2-ga-sources-jar/javassist/ClassClassPath.java
*
/javassist-3-30-2-ga-sources-jar/javassist/convert/TransformReadField.java
* /javassist-3-30-2-ga-sources-jar/javassist/LoaderClassPath.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/CodeIterator.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/stackmap/MapMaker.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Keyword.java
* /javassist-3-30-2-ga-sources-jar/javassist/expr/Handler.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/SerializedProxy.java
* /javassist-3-30-2-ga-sources-jar/javassist/tools/Callback.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/HotSwapper.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/EnclosingMethodAttribute.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Member.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/Bytecode.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/SyntaxError.java
*
/javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/FieldDecl.java
* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformFieldAccess.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/CompileError.java
* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/AppletServer.java

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- \* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformAfter.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/Descriptor.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/NewExpr.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/Sample.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ConstPool.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformWriteField.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/SecurityActions.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/ProxyFactory.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/AnnotationDefaultAttribute.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/CtNewMethod.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/ControlFlow.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/Sample.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Declarator.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/InnerClassesAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/InstanceOfExpr.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/NestMembersAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/CtNewWrappedConstructor.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/MemberCodeGen.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/Frame.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ConstantAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/MethodDecl.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/web/BadHttpRequest.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/ObjectImporter.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/MultiArrayType.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/runtime/Desc.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/BadBytecode.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/Subroutine.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/runtime/Cflow.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/StubGenerator.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/MemberResolver.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/ByteArrayClassPath.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/convert/TransformBefore.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/NoSuchClassError.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ExceptionsAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ClassFilePrinter.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/web/Webserver.java
- \*
- /javassist-3-30-2-ga-sources-jar/javassist/CodeConverter.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/LocalVariableTypeAttribute.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/expr/ExprEditor.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/ClassFile.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/DoubleConst.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/Stmnt.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/CtField.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/FactoryHelper.java
- \* /javassist-3-30-2-ga-sources-jar/javassist/tools/rmi/ObjectNotFoundException.java

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* /javassist-3-30-2-ga-sources-jar/javassist/ClassPool.java
* /javassist-3-30-2-ga-sources-jar/javassist/CtBehavior.java
* /javassist-3-30-2-ga-sources-jar/javassist/CtConstructor.java
* /javassist-3-30-2-ga-sources-jar/javassist/CtClass.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/ASTList.java
* /javassist-3-30-2-ga-sources-jar/javassist/CtMethod.java
*
/javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/IntQueue.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/JvstCodeGen.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/HotSwapAgent.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/MethodHandler.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java
* /javassist-3-30-2-ga-sources-jar/javassist/CtMember.java
* /javassist-3-30-2-ga-sources-jar/javassist/ClassMap.java
* /javassist-3-30-2-ga-sources-jar/javassist/convert/Transformer.java
* /javassist-3-30-2-ga-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java
* /javassist-3-30-2-ga-sources-jar/javassist/CtNewConstructor.java
* /javassist-3-30-2-ga-sources-jar/javassist/tools/reflect/Metalevel.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/CastExpr.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/analysis/Type.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/AnnotationImpl.java
*
/javassist-3-30-2-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/KeywordTable.java
* /javassist-3-30-2-ga-sources-jar/javassist/compiler/ast/CallExpr.java
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```

```

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```

Found in path(s):

```

* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/CharMemberValue.java
*

```



```
/javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/MemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/StringMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/LongMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/Annotation.java
*
/javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /javassist-3-30-2-ga-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java
```

## 1.82 giflib 5.2.2

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## 1.83 classmate 1.7.0

### 1.83.1 Available under license :

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

Other developers who have contributed code are:

\* Brian Langel

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# 1.84 libpng 1.6.43

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## 1.87 jackson-databind 2.17.1

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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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## 1.88 error\_prone\_annotations 2.26.1

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Manifest-Version: 1.0

Created-By: Maven JAR Plugin 3.2.2

Build-Jdk-Spec: 17

Multi-Release: true

Bundle-Description: Error Prone is a static analysis tool for Java that catches common programming mistakes at compile-time.

Bundle-DocURL: [https://errorprone.info/error\\_prone\\_annotations](https://errorprone.info/error_prone_annotations)

Bundle-License: "Apache 2.0";link="http://www.apache.org/licenses/LICENSE-2.0.txt"

Bundle-ManifestVersion: 2

Bundle-Name: error-prone annotations

Bundle-SCM: url="https://github.com/google/error-prone/error\_prone\_annotations",connection="scm:git:https://github.com/google/error-prone.git/error\_prone\_annotations",developer-connection="scm:git:git@github.com:google/error-prone.git/error\_prone\_annotations",tag=HEAD

Bundle-SymbolicName: com.google.errorprone.annotations

Bundle-Vendor: Google LLC

Bundle-Version: 2.26.1

Export-Package: com.google.errorprone.annotations;uses:="javax.lang.model.element";version="2.26.1",com.google.errorprone.annotations.concurrent;version="2.26.1"

Import-Package: javax.lang.model.element

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Found in path(s):

\* /error-prone-annotations-2-26-1-5-jar/META-INF/MANIFEST.MF

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\* /error-prone-annotations-2-26-1-5-jar/META-  
INF/maven/com.google.errorprone/error\_prone\_annotations/pom.xml

## 1.89 failureaccess 1.0.2

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Found in path(s):

\* /failureaccess-1-0-2-sources-1-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java  
\* /failureaccess-1-0-2-sources-1-jar/com/google/common/util/concurrent/internal/InternalFutures.java

## 1.90 jackson-annotations 2.17.1

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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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Found in path(s):

```
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/Immutable.java
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/GuardedBy.java
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/NotThreadSafe.java
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/ThreadSafe.java
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\* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonScope.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/stream/MalformedJsonException.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonReader.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonToken.java

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\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/reflect/ReflectionHelper.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/ToNumberPolicy.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/ToNumberStrategy.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/stream/package-info.java

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 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/JsonReaderInternalAccess.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java  
 \*  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/TypeAdapterFactory.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/TypeAdapter.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/TypeAdapters.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/JsonTreeWriter.java  
 \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/JsonTreeReader.java  
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\* /gson-2-11-0-sources-1-jar/com/google/gson/FormattingStyle.java  
\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ReflectionAccessFilterHelper.java  
\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/SerializationDelegatingTypeAdapter.java  
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\* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/JsonAdapter.java  
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* /gson-2-11-0-sources-1-jar/com/google/gson/internal/PreJava9DateFormatProvider.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlTypesSupport.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/NumberTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlTimestampTypeAdapter.java
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\* /gson-2-11-0-sources-1-jar/module-info.java  
\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/NonNullElementWrapperList.java  
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\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/LazilyParsedNumber.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/package-info.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlDateTypeAdapter.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ConstructorConstructor.java

\*

/gson-2-11-0-sources-1-jar/com/google/gson/internal/UnsafeAllocator.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlTimeTypeAdapter.java

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\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonParser.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonStreamParser.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/FieldAttributes.java

\* /gson-2-11-0-sources-1-jar/com/google/gson/LongSerializationPolicy.java

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- \* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/package-info.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Until.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/DefaultDateTypeAdapter.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonDeserializer.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Since.java
  - \*
  - /gson-2-11-0-sources-1-jar/com/google/gson/JsonDeserializationContext.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonParseException.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Expose.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/\$Gson\$Types.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/reflect/package-info.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/Gson.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonObject.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSerializationContext.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Excluder.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonPrimitive.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonNull.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/FieldNamingPolicy.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonElement.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSerializer.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/SerializedName.java
  - \*
  - /gson-2-11-0-sources-1-jar/com/google/gson/package-info.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/InstanceCreator.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/ExclusionStrategy.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ObjectConstructor.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonIOException.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/FieldNamingStrategy.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/\$Gson\$Preconditions.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/JsonArray.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Primitives.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/reflect/TypeToken.java
  - \* /gson-2-11-0-sources-1-jar/com/google/gson/GsonBuilder.java
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\* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Streams.java  
\* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSyntaxException.java

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* /perfmark-api-0-17-0-sources-3-jar/io/perfmark/Tag.java
* /perfmark-api-0-17-0-sources-3-jar/io/perfmark/Link.java
* /perfmark-api-0-17-0-sources-3-jar/io/perfmark/package-info.java
* /perfmark-api-0-17-0-sources-3-jar/io/perfmark/Impl.java
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# 1.101 jackson 2.17.2

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## 1.102 jackson-annotations 2.17.2

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pkgdesc="Public keys for Alpine Linux packages"

url="https://alpinelinux.org"

# we install arch specific keys to /etc so we cannot do arch=noarch

arch="all"

license="MIT"

replaces="alpine-base"

## 1.105 slf4j 2.0.16

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## 1.106 commons-configuration 2.11.0



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Found in path(s):

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## 1.107 opentelemetry-exporter-otlp 1.29.0

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## 1.108 commons-logging 1.3.2

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# 1.112 caffeine 3.0.5

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Found in path(s):

\* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/TimerWheel.java

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\* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/CaffeineSpec.java

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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Ticker.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/CacheLoader.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WriteOrderDeque.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/RemovalListener.java
- \*
- /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/RemovalCause.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Weigher.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Caffeine.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/stats/StatsCounter.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LinkedDeque.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/stats/ConcurrentStatsCounter.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Cache.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/stats/CacheStats.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/UnboundedLocalCache.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/AbstractLinkedDeque.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/stats/DisabledStatsCounter.java
- \*
- /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/AccessOrderDeque.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Policy.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LoadingCache.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/BoundedLocalCache.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/AsyncLoadingCache.java

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* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FrequencySketch.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LocalCache.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/References.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LocalManualCache.java
*
/caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/stats/GuardedStatsCounter.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SerializationProxy.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WriteThroughEntry.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Async.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/BoundedBuffer.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/stats/package-info.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Node.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LocalLoadingCache.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/Buffer.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LocalAsyncLoadingCache.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/package-info.java
```

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* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LocalAsyncCache.java
* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/AsyncCache.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FDRMW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/NodeFactory.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PSAR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILMSAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMWWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMWAR.java
- \*
- /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMSW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FWWMW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FWAWMW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WISMWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WIMWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FDAMW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PSW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSMS.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILMWAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FSWMS.java
- \*
- /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSMS.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMWAW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FDAR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMSAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSSW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WIWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PWAR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SIAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILMWAR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSLAW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PWAWRMS.java
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- /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PSAW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILSR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WISAR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSMWAWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSAW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILAW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMWAW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SISMS.java

\* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SISMWR.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PSRMW.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WIAW.java  
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 /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSMSAR.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PDAR.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PDMW.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSWR.java  
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 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILMSW.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSMWA.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SIMWAWR.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PSA.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMWA.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WIMWAR.java  
 \*  
 /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PWAWMS.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/LocalCacheFactory.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILMSW.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILMWW.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWAR.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILSW.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILSAR.java  
 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FD.java  
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 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSMSAW.java

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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMSWAR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMSWR.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/PDRMS.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FWRMW.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMSA.java

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 \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SILAW.java



- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILMWAR.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSS.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILMSA.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILA.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMW.java
- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FSWRMW.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMWWR.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/WILMS.java
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- \* /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/SIMSW.java

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 /caffeine-3-0-5-sources-1-jar/com/github/benmanes/caffeine/cache/FDARMS.java

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been in development since 2007.  
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## 1.117 jackson-databind 2.17.3

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# Jackson JSON processor

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## 1.118 commons-logging 1.3.4

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- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/JsonWebStructure.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionParts.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/NumericDateValidator.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/JwtClaims.java
- \*
- /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JweCustomizer.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmAvailability.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/ErrorCodeValidatorAdapter.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/KeyPairUtil.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/ErrorCodes.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/CompactSerialization.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/JsonHelp.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/kdf/PasswordBasedKeyDerivationFunction2.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/RsaKeyUtil.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/InvalidAlgorithmException.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/HttpsJwksVerificationKeyResolver.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionKeyDescriptor.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/EcKeyUtil.java
- \*
- /jose4j-0-9-6-sources-2-jar/org/jose4j/base64url/Base64Url.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/Use.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JtiValidator.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/JwksVerificationKeyResolver.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionAlgorithmIdentifiers.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/AesGcmContentEncryptionAlgorithm.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/GeneralJwtException.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmConstraints.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/HmacUsingShaAlgorithm.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/JwksDecryptionKeyResolver.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/AesKey.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/ByteUtil.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/UncheckedJoseException.java
- \* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmInfo.java

```

*
/jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwtConsumer.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/InitializationVectorHelp.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwtConsumerBuilder.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/OctetSequenceJsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/InvalidJwtException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/JoseException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmFactoryFactory.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/json/JsonHeaderUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/WrappingKeyManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/EcdhKeyAgreementWithAesKeyWrapAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/EcJwkGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/ByteGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/X509VerificationKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/CipherUtil.java
*
/jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/EllipticCurveJsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/http/SimpleGet.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/VerificationJwkSelector.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/DirectKeyManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/NumericDate.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/zip/CompressionAlgorithmIdentifiers.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/StringUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/UnsecuredNoneAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/SimpleAeadCipher.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwsCustomizer.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/JsonWebSignature.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/HashUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/KeyManagementAlgorithmIdentifiers.java
*
/jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/AudValidator.java

```

# 1.128 feign-jackson 13.3

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```
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```

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Found in path(s):

\* /feign-jackson-13-3-1-jar/META-INF/maven/io.github.openfeign/feign-jackson/pom.xml

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9

Build-Jdk-Spec: 21

Build-Tool-Jdk-Spec: 21

Bnd-LastModified: 1718905906676

Bundle-Description: Feign Jackson

Bundle-DocURL: <https://github.com/openfeign>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Feign Jackson

Bundle-SymbolicName: io.github.openfeign.feign-jackson

Bundle-Vendor: OpenFeign

Bundle-Version: 13.3.0

Export-Package: feign.jackson;uses:="com.fasterxml.jackson.databind,feign,feign.codec";version="13.3.0"

Import-Package: com.fasterxml.jackson.annotation;version="[2.17,3)",com.fasterxml.jackson.core;version="[2.17,3)",com.fasterxml.jackson.databind;version="[2.17,3)",com.fasterxml.jackson.databind.type;version="[2.17,3)",feign;version="[13.3,14)",feign.codec;version="[13.3,14)"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found

in path(s):

\* /feign-jackson-13-3-1-jar/META-INF/MANIFEST.MF

## 1.129 feign-core 13.3

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Found in path(s):

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9

Build-Jdk-Spec: 21

Build-Tool-Jdk-Spec: 21

Bnd-LastModified: 1718905838949

Bundle-Description: Feign Core

Bundle-DocURL: <https://github.com/openfeign>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Feign Core

Bundle-SymbolicName: io.github.openfeign.feign-core

Bundle-Vendor: OpenFeign

Bundle-Version: 13.3.0

Export-Package: feign;uses:="feign.codec,feign.querymap,javax.net.ssl";version="13.3.0",feign.auth;uses:="feign;version="13.3.0",feign.codec;uses:="feign;version="13.3.0",feign.optionals;uses:="feign,feign.codec";version="13.3.0",feign.querymap;uses:="feign,feign.codec";version="13.3.0",feign.stream;uses:="feign,feign.codec";version="13.3.0",feign.template;uses:="feign;version="13.3.0",feign.utils;version="13.3.0"

Import-Package: feign,feign.codec,feign.querymap,feign.template,javax.net.ssl

Require-Capability:

osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /feign-core-13-3-1-jar/META-INF/MANIFEST.MF

# 1.130 jackson-xc 2.17.2

## 1.130.1 Available under license :

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# 1.133 error\_prone\_annotations 2.23.0

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Manifest-Version: 1.0

Created-By: Maven JAR Plugin 3.2.2

Build-Jdk-Spec: 17

Automatic-Module-Name: com.google.errorprone.annotations

Bundle-Description: Error Prone is a static analysis tool for Java that catches common programming mistakes at compile-time.

Bundle-DocURL: [https://errorprone.info/error\\_prone\\_annotations](https://errorprone.info/error_prone_annotations)

Bundle-License: "Apache 2.0";link="http://www.apache.org/licenses/LICENSE-2.0.txt"

Bundle-ManifestVersion: 2

Bundle-Name: error-prone annotations

Bundle-SCM: url="https://github.com/google/error-prone/error\_prone\_annotations",connection="scm:git:https://github.com/google/error-prone.git/error\_prone\_annotations",developer-connection="scm:git:git@github.com:google/error-prone.git/error\_prone\_annotations",tag=HEAD

Bundle-SymbolicName: com.google.errorprone.annotations

Bundle-Vendor: Google LLC

Bundle-Version: 2.23.0

Export-Package: com.google.errorprone.annotations;uses:="javax.lang.model.element";version="2.23.0",com.google.errorprone.annotations.concurrent;version="2.23.0"

Import-Package: javax.lang.model.element

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Found in path(s):

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INF/maven/com.google.errorprone/error\_prone\_annotations/pom.xml

## 1.134 opentelemetry-semconv 1.29.0-alpha

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## 1.135 opentelemetry-sdk-extension-autoconfigure-spi 1.29.0

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## 1.137 dagger 2.4

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 */
```

Found in path(s):

\* /dagger-2-4-sources-2-jar/dagger/Binds.java  
\* /dagger-2-4-sources-2-jar/dagger/multibindings/IntoMap.java  
\* /dagger-2-4-sources-2-jar/dagger/internal/DoubleCheck.java  
\* /dagger-2-4-sources-2-jar/dagger/Reusable.java  
\* /dagger-2-4-sources-2-jar/dagger/internal/Preconditions.java  
\* /dagger-2-4-sources-2-jar/dagger/internal/ProviderOfLazy.java  
\*  
/dagger-2-4-sources-2-jar/dagger/multibindings/package-info.java  
\* /dagger-2-4-sources-2-jar/dagger/multibindings/IntoSet.java

\* /dagger-2-4-sources-2-jar/dagger/multibindings/ElementsIntoSet.java

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

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Found in path(s):

\* /dagger-2-4-sources-2-jar/dagger/internal/MembersInjectors.java

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\*/

Found in path(s):

\* /dagger-2-4-sources-2-jar/dagger/internal/Factory.java

\* /dagger-2-4-sources-2-jar/dagger/MapKey.java

\* /dagger-2-4-sources-2-jar/dagger/internal/MapFactory.java

\* /dagger-2-4-sources-2-jar/dagger/internal/SingleCheck.java

\* /dagger-2-4-sources-2-jar/dagger/internal/MapProviderFactory.java

\* /dagger-2-4-sources-2-jar/dagger/internal/InstanceFactory.java

\*

/dagger-2-4-sources-2-jar/dagger/internal/SetFactory.java  
\* /dagger-2-4-sources-2-jar/dagger/internal/Collections.java  
\* /dagger-2-4-sources-2-jar/dagger/Component.java  
\* /dagger-2-4-sources-2-jar/dagger/internal/DelegateFactory.java  
No license file was found, but licenses were detected in source scan.

```
/*  
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 */
```

Found in path(s):

\* /dagger-2-4-sources-2-jar/dagger/Lazy.java  
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 */
```

Found in path(s):

\* /dagger-2-4-sources-2-jar/dagger/Multibindings.java  
\* /dagger-2-4-sources-2-jar/dagger/internal/Beta.java  
\* /dagger-2-4-sources-2-jar/dagger/multibindings/StringKey.java  
\* /dagger-2-4-sources-2-jar/dagger/package-info.java

```

* /dagger-2-4-sources-2-jar/dagger/Subcomponent.java
* /dagger-2-4-sources-2-jar/dagger/multibindings/ClassKey.java
*
/dagger-2-4-sources-2-jar/dagger/multibindings/IntKey.java
* /dagger-2-4-sources-2-jar/dagger/multibindings/LongKey.java
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*/

Found in path(s):
* /dagger-2-4-sources-2-jar/dagger/MembersInjector.java

```

## 1.138 feign-slf4j 13.3

### 1.138.1 Available under license :

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```

Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin 5.1.9
Build-Jdk-Spec: 21
Build-Tool-Jdk-Spec: 21
Bnd-LastModified: 1718906005718
Bundle-Description: Feign SLF4J
Bundle-DocURL: https://github.com/openfeign
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Feign SLF4J
Bundle-SymbolicName: io.github.openfeign.feign-slf4j
Bundle-Vendor: OpenFeign
Bundle-Version: 13.3.0
Export-Package: feign.slf4j;uses:="feign,org.slf4j";version="13.3.0"
Import-Package: feign;version="[13.3,14)",org.slf4j;version="[2.0,3)"

```

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /feign-slf4j-13-3-jar/META-INF/MANIFEST.MF

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-->

Found in path(s):

\* /feign-slf4j-13-3-jar/META-INF/maven/io.github.openfeign/feign-slf4j/pom.xml

## 1.139 feign-httpclient 13.3

### 1.139.1 Available under license :

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-->

Found in path(s):

\* /feign-httpclient-13-3-jar/META-INF/maven/io.github.openfeign/feign-httpclient/pom.xml

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9

Build-Jdk-Spec: 21

Build-Tool-Jdk-Spec: 21

Bnd-LastModified: 1718905879031

Bundle-Description: Feign Apache HttpClient

Bundle-DocURL: <https://github.com/openfeign>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Feign Apache HttpClient

Bundle-SymbolicName: io.github.openfeign.feign-httpclient

Bundle-Vendor: OpenFeign

Bundle-Version: 13.3.0

Export-Package: feign.httpclient;uses:="feign,org.apache.http.client";version="13.3.0"

Import-Package: feign;version="[13.3,14)",org.apache.http,org.apache.http.client,org.apache.http.client.config,org.apache.http.client.methods,org.apache.http.client.utils,org.apache.http.entity,org.apache.http.impl.client,org.apache.http.util

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /feign-httpclient-13-3-jar/META-INF/MANIFEST.MF

## 1.140 jackson-module-blackbird 2.17.2

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Additional licensing information exists for following 3rd party library dependencies

### ASM

ASM: a very small and fast Java bytecode manipulation framework  
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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, as well as supported commercially by FasterXML.com.

## ## Licensing

Jackson core and extension components (as well their dependencies) may be licensed under different licenses.

To find the details that apply to this artifact see the accompanying LICENSE file.

For more information, including possible other licensing options, contact FasterXML.com (<http://fasterxml.com>).

## ## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

## 1.141 logback-core 1.3.14

### 1.141.1 Available under license :

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```
/**
```

```
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*/
```

Found in path(s):

```
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/ImplicitActionDataForBasicProperty.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/spi/SaxEventInterpretationContext.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/RedCompositeConverter.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/encoder/ByteArrayUtil.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/event/SaxEventRecorder.java  
*  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/AbstractServerSocketAppender.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/ssl/KeyStoreFactoryBean.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/encoder/Encoder.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/boolex/EvaluationException.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/PropertyContainer.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/html/NOPTrowableRenderer.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/FormatInfo.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/EventEvaluatorAction.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/FileFilterUtil.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/ConcurrentServerRunner.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/event/stax/StartEvent.java  
*  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/sift/Discriminator.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/ImportAction.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/ServerRunner.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/event/EndEvent.java  
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ComponentTracker.java
```



- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/RemoteReceiverServerListener.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/BoldRedCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/AppenderRefAction.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/filter/AbstractMatcherFilter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/util/AsIsEscapeUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/parser/SimpleKeywordNode.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/helpers/ThrowableToStringArray.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/SyslogOutputStream.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/ssl/SSLNestedComponentRegistryRules.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/BoldWhiteCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/helpers/CyclicBuffer.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/FileNamePattern.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/RenameUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/StatusBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/CompressionMode.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/SiftAction.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ContextAwareImpl.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/CyclicBufferTracker.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/subst/Parser.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/QueueFactory.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/FilterAttachableImpl.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/OutputStreamAppender.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/LiteralConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/Loader.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/BoldMagentaCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/ssl/SSL.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/ssl/SSLConfigurable.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/PatternLayoutBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/SpacePadder.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/InfoStatus.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/CyanCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/SizeAndTimeBasedRollingPolicy.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/DelayStrategy.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/RemoteReceiverServerRunner.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/OnPrintStreamStatusListenerBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/ServerListener.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/read/CyclicBufferAppender.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/LifeCycleManager.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/spi/ElementSelector.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/ExecutorServiceUtil.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/spi/ActionException.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/sift/AbstractDiscriminator.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/event/StartEvent.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/encoder/EchoEncoder.java

- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/PeriodicityType.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/ContentTypeUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/spi/XMLUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/parser/OptionTokenizer.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/conditional/PropertyEvalScriptBuilder.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/BoldCyanCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/boolex/JaninoEventEvaluatorBase.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/hook/ShutdownHookBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/JoranConstants.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/encoder/NonClosableInputStream.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/encoder/LayoutWrappingEncoder.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/GrayCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/DateTokenConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ContextAware.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ScanException.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/StatusManager.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/CoreConstants.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/IncompatibleClassException.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/read/ListAppender.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/boolex/Matcher.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/FileAppender.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/FixedWindowRollingPolicy.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/ArchiveRemover.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/OptionHelper.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/SyslogAppenderBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/ssl/SSLConfigurableSocket.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/helper/FileStoreUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/StatusListenerAsList.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/util/RestrictedEscapeUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/PropertyDefiner.java
- \*
- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/util/ConfigurationWatchListUtil.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/boolex/EventEvaluatorBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/pattern/color/WhiteCompositeConverter.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/RemoteReceiverStreamClient.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/Status.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/spi/ConsoleTarget.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/RollingFileAppender.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/AppenderAttachable.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/SizeBasedTriggeringPolicy.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/recovery/ResilientOutputStreamBase.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/ImplicitModelData.java
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- /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/server/SSLServerSocketAppenderBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/LayoutBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/ImplicitModelDataForComplexProperty.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/SMTPAppenderBase.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/SystemInfo.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/subst/NodeToStringTransformer.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/ContextPropertyAction.java
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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/status/ErrorStatus.java
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\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/encoder/JsonEscapeUtil.java

\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/SerializeModelAction.java

\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/SerializeModelModel.java

\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/ModelClassToModelHandlerLinkerBase.java

\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/SerializeModelModelHandler.java

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- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/sift/SiftModelHandler.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/sift/SiftingAppenderBase.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/sift/NOPSiftModelHandler.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/ImplicitModelHandler.java

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Found in path(s):

- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/conditional/IfAction.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/SequenceNumberGeneratorModelHandler.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/conditional/IfModel.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/DefineModel.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/TimeBasedRollingPolicy.java
- \*
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/TimestampModelHandler.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/ShutdownHookModel.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/ShutdownHookModelHandler.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/conditional/ElseModelHandler.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/rolling/TimeBasedFileNamingAndTriggeringPolicy.java
- \* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/conditional/ElseModel.java



```

* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/sanity/SanityChecker.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/Model.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/ComponentModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/NamedModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/AppenderRefDependencyAnalyser.java
*
/logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/NOPModelHandler.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/PhaseIndicator.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ErrorCodes.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/DependencyDefinition.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/RefContainerDependencyAnalyser.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/ImplicitModelAction.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/conditional/ElseAction.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/ImportModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/ProcessingPhase.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/ModelConstants.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/DefineModelHandler.java
*
/logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/conditional/IfModelHandler.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/recovery/RecoveryListener.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/net/HardenedObjectInputStream.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/InsertFromJNDIModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/TimestampModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/action/BaseModelAction.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/EventEvaluatorModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/ModelInterpretationContext.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/ModelHandlerBase.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/SequenceNumberGeneratorModel.java
*
/logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/SiftModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/StatusListenerModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/ImplicitModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/ModelHandlerFactoryMethod.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/conditional/ThenAction.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/AppenderModel.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/util/ParentTag_Tag_Class_Tuple.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/JoranConfiguratorBase.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/util/TagUtil.java
* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/conditional/ThenModelHandler.java
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\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/ReflectionUtil.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/DefaultProcessor.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/EnvUtil.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/joran/sanity/AppenderWithinAppenderSanityChecker.java  
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\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/NamedComponentModel.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/AppenderRefModel.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/model/processor/AppenderModelHandler.java  
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\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/CoreTestConstants.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/TeeOutputStream.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/StringListAppender.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/DelayingListAppender.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/FileTestUtil.java  
\*  
/logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/EnvUtilForTests.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/MockInitialContext.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/MockInitialContextFactory.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/TrivialStatusListener.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ConfigurationEventListener.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/spi/ConfigurationEvent.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/FileToBufferUtil.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/RandomUtil.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/testUtil/NPEAppender.java  
\* /logback-core-1-3-14-sources-3-jar/ch/qos/logback/core/util/SimpleInvocationGate.java

## 1.142 threeten-extra 1.8.0

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## 1.143 feign-jaxrs 13.3

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin 5.1.9

Build-Jdk-Spec: 21

Build-Tool-Jdk-Spec: 21

Bnd-LastModified: 1718905871805

Bundle-Description: Feign JAX-RS

Bundle-DocURL: <https://github.com/openfeign>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Feign JAX-RS

Bundle-SymbolicName: io.github.openfeign.feign-jaxrs

Bundle-Vendor: OpenFeign

Bundle-Version: 13.3.0

Export-Package: feign.jaxrs;uses:=feign;version="13.3.0"

Import-Package: feign;version="[13.3,14)",javax.ws.rs;version="[1.1,2)"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /feign-jaxrs-13-3-1-jar/META-INF/MANIFEST.MF

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Found in path(s):

\* /feign-jaxrs-13-3-1-jar/META-INF/maven/io.github.openfeign/feign-jaxrs/pom.xml

## 1.144 mime-pull 1.9.15

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The project maintains the following source code repositories:

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

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

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

ant-launcher (1.10.2)

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

Apache Ant (1.6)

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

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\* Source:  
<http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

\* License: Eclipse Public License

maven-core (3.5.2)

\* License: Apache-2.0

maven-plugin-annotations (3.5.1)

\* License: Apache-2.0

\* Project:

<https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

\* Source:

<https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

\* License: Apache-2.0

\*

Project: <https://maven.apache.org/>

\* Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

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maven-resolver-util (1.1.1)

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maven-settings (3.5.2)

\* License: Apache-2.0

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

\* License: Oasis Style

\* Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

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

plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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stax2-api (4.1)

\* License: Pending

\* Project: <https://github.com/FasterXML/stax2-api>

\* Source:

<http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

\* License: Apache-2.0 AND MIT

\* Project: <https://testng.org/doc/index.html>

\* Source: <https://github.com/cbeust/testng>

woodstox-core-asl  
(4.4.1)

\* License: Apache-2.0

woodstox-core-asl (5.1.0)

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ws-addr.wsd (1.0)

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\* Project: <https://www.w3.org/2005/08/addressing/>

\* Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

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

\* License: Oasis Style

\* Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

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

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\* License: OASIS Style

wscor.xsd (1.1)

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\* Project: <http://docs.oasis-open.org/ws-tx/wscoor/2006/06>  
\* Source:  
<http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd>

wsm Version: 2005/02 (n/a)

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\* Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>  
\* Source:  
<http://schemas.xmlsoap.org/ws/2005/02/rm/wsm.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsm-policy.xsd>

wsm.xsd  
(1.2)

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xmlsec (1.5.8)

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

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## 1.145 jackson-module-guice 2.17.2

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* /flightrecorder-8-3-1-sources-  
jar/org/openjdk/jmc/flightrecorder/stacktrace/messages/internal/messages_ja.properties  
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/messages/internal/messages.properties  
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/synthetic/messages_ja.properties  
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/stacktrace/messages/internal/messages.properties  
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jar/org/openjdk/jmc/flightrecorder/stacktrace/messages/internal/messages_zh_CN.properties  
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 \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/IArrayElementParser.java  
 \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/IPoolFactory.java  
 \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/Offset.java  
 \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/ValueDescriptor.java

- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/DataStructureParser.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/memleak/ReferenceTreeModel.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/NotEnoughMemoryException.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/MethodFactory.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/filter/IOnLoadFilter.java
- \*
- /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/StringReader.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ChunkStructure.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ConstantReader.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ArrayReader.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/IChunkLoader.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/Transition.java
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- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/UTFStringParser.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/IValueReader.java
- \*
- /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/EventArray.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/TypedArrayParser.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ProducerParser.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/EventTypeParser.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ChunkMetadata.java
- \* /flightrecorder-8-3-1-sources-
- jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/EventTypeDescriptor.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/DataStructure.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/synthetic/Messages.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/package-info.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/ProducerDescriptor.java
- \*
- /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/messages/internal/Messages.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ContentTypeParser.java
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- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/util/SplitRecording.java
- \* /flightrecorder-8-3-1-sources-
- jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/ContentTypeDescriptor.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/QuantityReader.java
- \* /flightrecorder-8-3-1-sources-
- jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/StackTraceFactory.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/ThreadGroup.java
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- /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/model/DataType.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/util/CanonicalConstantMap.java
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- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/NumberReaders.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/util/DataInputToolkit.java
- \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/CouldNotLoadRecordingException.java
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jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/OldDataFactory.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v1/ChunkStructure.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ConstantMap.java
* /flightrecorder-8-3-1-sources-
jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/ThreadGroupFactory.java
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    /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/filter/OnLoadFilters.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/JfrThread.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v1/ChunkMetadata.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/jdk/JdkQueries.java
* /flightrecorder-8-3-1-sources-
jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/factories/OSThreadFactory.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/BooleanReader.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/util/JfrInternalConstants.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/stacktrace/StacktraceFormatToolkit.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/stacktrace/messages/internal/Messages.java
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* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/VersionNotSupportedException.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/Chunk.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/CompositeReader.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/ItemBuilder.java
*
    /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/filter/FilterExtension.java
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 \* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/messages/internal/messages\_zh\_CN.properties  
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*
/flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/FlightRecordingLoader.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ChunkLoaderV0.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v1/ChunkLoaderV1.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/synthetic/SyntheticAttributeExtension.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v1/TypeManager.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/jdk/messages/internal/Messages.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/memleak/ReferenceTreeObject.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/jdk/JdkAggregators.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/util/ChunkReader.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/EventArrays.java
*
/flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v1/ValueReaders.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/EventCollection.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/ParserExtensionRegistry.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/RecordingPrinter.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v1/StructTypes.java
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* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/JfrLoaderToolkit.java
*
/flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/jdk/JdkTypeIDs.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/v0/ConstantEntryList.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/synthetic/SettingsTransformer.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/EventAppearance.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/parser/IParserExtension.java
* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/internal/parser/LoaderContext.java
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\* /flightrecorder-8-3-1-sources-jar/org/openjdk/jmc/flightrecorder/stacktrace/graph/Node.java  
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Eclipse

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

The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

-----

Apache

The following artifacts are ASL2 licensed.



org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

-----

#### MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

-----

#### Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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#### Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

# 1.163 jetty-security 9.4.57.v20241219

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\* 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>

-----

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

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## Apache

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

-----

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org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
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  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

-----

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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## 1.164 jetty-util-ajax 9.4.57.v20241219

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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.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

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

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

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org.eclipse.jetty.toolchain:jetty-schemas

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\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ElapsedSecondsConverter.java  
\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/SessionIDConverter.java  
\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/QueryStringConverter.java  
\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ThreadNameConverter.java

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Found in path(s):

- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatsByWeek.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/html/HTMLayout.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/LineSeparatorConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatsByDay.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ResponseHeaderConverter.java
- \*
- /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestHeaderConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RemoteUserConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/servlet/TeeServletOutputStream.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/SSLSocketAppender.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/PeriodicStats.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/jetty/RequestLogRegistry.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestContentConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/tomcat/TomcatServerAdapter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/LocalPortConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/servlet/TeeHttpServletRequest.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/tomcat/LogbackValve.java
- \*
- /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/servlet/TeeHttpServletResponse.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/AccessEventPreSerializationTransformer.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestURLConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/SocketAppender.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/SimpleSocketServer.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/SMTPAppender.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/server/SSLServerSocketAppender.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/FullResponseConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/sift/AccessEventDiscriminator.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatsByMinute.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestProtocolConverter.java
- \*
- /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/AccessConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ResponseContentConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ServerNameConverter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/EnsureLineSeparation.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/CountingFilter.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/html/UrlCssBuilder.java
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatisticalView.java
- \* /logback-access-1-3-14-sources-1-

```

jar/ch/qos/logback/access/model/processor/LogbackAccessDefaultNestedComponentRegistryRules.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/URLEvaluator.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/sift/SiftingAppender.java
*
/logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/spi/AccessEvent.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/spi/IAccessEvent.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/jetty/JettyServerAdapter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/DateConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/servlet/TeeServletInputStream.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/html/DefaultCssBuilder.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/ViewStatusMessagesServlet.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/boolex/JaninoEventEvaluator.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestCookieConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/StatusCodeConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatsByHour.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestMethodConverter.java
*
/logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RemoteIPAddressConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/joran/action/AccessEvaluatorAction.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestAttributeConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ElapsedTimeConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/FullRequestConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/spi/Util.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/joran/action/ConfigurationAction.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestParameterConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/LocalIPAddressConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/NAConverter.java
*
/logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/servlet/Util.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/spi/AccessContext.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/servlet/TeeFilter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/PatternLayout.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/AccessConstants.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RequestURICConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/PatternLayoutEncoder.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/spi/ServerAdapter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/SocketNode.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatsByMonth.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/ContentLengthConverter.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/filter/StatisticalViewImpl.java
*
/logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/net/server/ServerSocketAppender.java
* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/pattern/RemoteHostConverter.java
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--

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-- This SQL script creates the required tables by `ch.qos.logback.access.db.DBAppender`  
--  
-- It is intended for Oracle databases.

```
CREATE SEQUENCE access_event_id_seq MINVALUE 1 START WITH 1;
```

```
CREATE TABLE access_event  
(  
  timestmp      NUMBER(20) NOT NULL,  
  requestURI    VARCHAR(254),  
  requestURL    VARCHAR(254),  
  remoteHost    VARCHAR(254),  
  remoteUser    VARCHAR(254),  
  remoteAddr    VARCHAR(254),  
  protocol      VARCHAR(254),  
  method        VARCHAR(254),  
  serverName    VARCHAR(254),  
  postContent   VARCHAR(254),  
  event_id      NUMBER(20) PRIMARY KEY  
);
```

-- the / suffix may or may not be needed depending on your SQL Client

--

Some SQL Clients, e.g. Squirrel SQL has trouble with the following

-- trigger creation command, while SQLPlus (the basic SQL Client which  
-- ships with Oracle) has no trouble at all.

```
CREATE TRIGGER access_event_id_seq_trig  
BEFORE INSERT ON access_event  
FOR EACH ROW  
BEGIN  
  SELECT access_event_id_seq.NEXTVAL  
  INTO   :NEW.event_id  
  FROM   DUAL;  
END access_event_id_seq_trig;  
/
```

```
CREATE TABLE access_event_header  
(  
  event_id      NUMBER(20) NOT NULL,  
  header_key    VARCHAR2(254) NOT NULL,  
  header_value  VARCHAR2(1024),  
  PRIMARY KEY(event_id, header_key),
```

```
FOREIGN KEY (event_id) REFERENCES access_event(event_id)
);
```

Found in path(s):

\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/db/script/oracle.sql

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```
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```

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\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/jetty/RequestLogImpl.java

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```
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```

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*/
```

Found in path(s):

\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/model/processor/ConfigurationModelHandler.java

\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/model/ConfigurationModel.java

\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/joran/JoranConfigurator.java

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- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/db/script/postgresql.sql
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/db/script/db2.sql
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/db/script/hsqldb.sql
- \* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/db/script/mysql.sql

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-- This SQL script creates the required tables by ch.qos.logback.access.db.DBAppender  
--

DROP TABLE access\_event\_header  
DROP TABLE access\_event

CREATE TABLE access\_event  
(  
 timestmp BIGINT NOT NULL,  
 requestURI VARCHAR(254),  
 requestURL VARCHAR(254),  
 remoteHost VARCHAR(254),  
 remoteUser VARCHAR(254),

```

remoteAddr    VARCHAR(254),
protocol      VARCHAR(254),
method        VARCHAR(254),
serverName    VARCHAR(254),
postContent   VARCHAR(254),
event_id      INT NOT NULL identity,
PRIMARY KEY(event_id)
)

```

```

CREATE TABLE access_event_header
(
    event_id      INT NOT NULL,
    header_key    VARCHAR(254) NOT NULL,
    header_value  VARCHAR(1024),
    PRIMARY KEY(event_id, header_key),
    FOREIGN KEY (event_id) REFERENCES access_event(event_id)
)

```

Found in path(s):

\* /logback-access-1-3-14-sources-1-jar/ch/qos/logback/access/db/script/msSQLServer.sql

# 1.166 argparse 0.9.0

## 1.166.1 Available under license :

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jar/net/sourceforge/argparse4j/impl/type/CaseInsensitiveEnumNameArgumentType.java

\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/type/EnumStringArgumentType.java

\* /argparse4j-0-9-0-sources-2-

jar/net/sourceforge/argparse4j/impl/type/CaseInsensitiveEnumStringArgumentType.java

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\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/choice/CollectionArgumentChoice.java  
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\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/ArgumentParsers.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/ArgumentParserException.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/ext/java7/PathArgumentType.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/ext/java7/Java7ExtensionResourceBundle.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/helper/PrefixPattern.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/Argument.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/AppendConstArgumentAction.java  
\*  
/argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/Namespace.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/ArgumentGroup.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/annotation/Arg.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/ParseState.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/ArgumentAction.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/choice/RangeArgumentChoice.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/ArgumentGroupImpl.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/helper/TextHelper.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/StoreTrueArgumentAction.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/type/FileVerification.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/helper/ReflectHelper.java  
\*  
/argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/UnrecognizedCommandException.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/helper/ASCIITextWidthCounter.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/SubparsersImpl.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/Subparsers.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/helper/TextWidthCounter.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/type/StringArgumentType.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/SubparserImpl.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/Subparser.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/Arguments.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/AppendArgumentAction.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/ArgumentImpl.java  
\*  
/argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/ArgumentType.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/StoreFalseArgumentAction.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/HelpArgumentAction.java  
\* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/type/ConstructorArgumentType.java

```

* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/type/EnumArgumentType.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/UnrecognizedArgumentException.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/internal/ArgumentParserImpl.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/ArgumentParser.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/inf/FeatureControl.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/helper/CJKTextWidthCounter.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/StoreConstArgumentAction.java
*
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/VersionArgumentAction.java
* /argparse4j-0-9-0-sources-2-jar/net/sourceforge/argparse4j/impl/action/StoreArgumentAction.java

```

# 1.167 musl 1.2.5-r10

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```

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* iconv.c
* Implementation of SUSv4 XCU iconv utility
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*/

```

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```

* /aports-master-main-musl-zip/aports-master-main-musl/main/musl/iconv.c

```

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```

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*/
```

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```
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/EncodableHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/LogarithmicIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Histogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SingleWriterRecorder.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ConcurrentDoubleHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramLogReader.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ConcurrentHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SynchronizedDoubleHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AtomicHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramIterationValue.java  
*  
/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Recorder.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AbstractHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleAllValuesIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleLinearIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramLogProcessor.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/IntCountsHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SynchronizedHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleRecordedValuesIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/PercentileIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SingleWriterDoubleRecorder.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ZigZagEncoding.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoublePercentileIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleLogarithmicIterator.java  
*  
/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AllValuesIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ShortCountsHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Version.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/LinearIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AbstractHistogramIterator.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleHistogram.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleHistogramIterationValue.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleRecorder.java  
* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/RecordedValuesIterator.java
```

\* /hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AbstractHistogramLogReader.java

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## 1.170 paranamer 2.5.1

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\* /paranamer-2-5-1-sources-1-jar/com/thoughtworks/paranamer/ParameterNamesNotFoundException.java

\* /paranamer-2-5-1-sources-1-jar/com/thoughtworks/paranamer/DefaultParanamer.java

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# 1.171 jetty 9.4.57.v20241219

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Eclipse

The following artifacts are EPL.

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

The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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## OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

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## Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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## MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

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## Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

## 1.172 failureaccess 1.0.1

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 * the License.
 */
```

Found in path(s):

```
* /failureaccess-1-0-1-sources-13-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
* /failureaccess-1-0-1-sources-13-jar/com/google/common/util/concurrent/internal/InternalFutures.java
```

## 1.173 alpine-baselayout 3.7.0-r0

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```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
# Maintainer: Francesco Colista <francesco.colista@gmail.com>
pkgname=perl-software-license
_pkgreal=Software-License
```

```

pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/${_pkgreal}-${pkgver}.tar.gz"

_buildddir="$srcdir/${_pkgreal}-${pkgver}"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test
}

package() {
    cd "$_buildddir"
    make
    DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35 Software-License-0.103004.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-${pkgver}.tar.bz2"

```

```
_builddir="$srcdir"/libart_lgpl-$pkgver
```

```
prepare() {  
  cd "$_builddir"  
  update_config_sub || return 1  
}
```

```
build() {  
  cd "$_builddir"  
  ./configure \  
  --build=$CBUILD \  
  --host=$CHOST \  
  --prefix=/usr \  
  || return 1  
  make || return 1  
}
```

```
package() {  
  cd "$_builddir"  
  make DESTDIR="$pkgdir" install || return 1  
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7  
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
```

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# Automatically generated by apkbuidl-cpan, template 1

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pkgname=perl-bud-resource

\_pkgreal=BUD-Resource

pkgver=1.2909

pkgrel=2

pkgdesc="Perl extension implements the BUD process resource limit functions"

url="http://search.cpan.org/dist/BUD-Resource/"

arch="all"

license="GPL PerlArtistic"

cpandepends=""

cpanmakedepends=""

depends="\$cpandepends"

makedepends="perl-dev \$cpanmakedepends"

subpackages="\$pkgname-doc"

source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/\_pkgreal-\$pkgver.tar.gz"

\_builddir="\$srcdir/\_pkgreal-\$pkgver"

prepare() {

cd "\$\_builddir"

export CFLAGS=`perl -MConfig -E 'say \$Config{ccflags}'`

PERL\_MM\_USE\_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor

}

build() {

cd "\$\_builddir"

export CFLAGS=`perl -MConfig -E 'say \$Config{ccflags}'`

make && make test || return 1

}

package() {

cd "\$\_builddir"

make DESTDIR="\$pkgdir" install || return 1

find "\$pkgdir"

\( -name perllocal.pod -o -name .packlist \) -delete

}

md5sums="3c6dd2fa953088aa87e263f40818d012 BUD-Resource-1.2909.tar.gz"

sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06 BUD-Resource-1.2909.tar.gz"

sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276cce2bd40a429fa430 BUD-Resource-1.2909.tar.gz"

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# Maintainer: Fabian Affolter <[fabian@affolter-engineering.ch](mailto:fabian@affolter-engineering.ch)>

pkgname=py-flake8-copyright

\_pkgname=flake8-copyright

pkgver=0.2.0

pkgrel=1

pkgdesc="Extension for flake8 which checks for copyrights"

```

url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
    cd "$builddir"
    python3 setup.py build || return 1
}

package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"
mini_sendmail - accept email on behalf of real sendmail

```

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## 1.174 jcl-over-slf4j 2.0.17

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contains test data from <http://aspell.net/test/orig/batch0.tab>.  
Copyright (C) 2002 Kevin Atkinson ([kevina@gnu.org](mailto:kevina@gnu.org))

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| Gallium code   | src/gallium/       | MIT            |
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|                | GL/glxext.h        | Khronos        |
|                | GL/wglxext.h       | Khronos        |
|                | KHR/khrplatform.h  | Khronos        |

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Mesa 3-D  
graphics library

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include/GL/glxext.h  
include/GL/wglxext.h :

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</pre>
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<pre>
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|                | GL/glxext.h        | Khronos        |
|                | GL/wglxext.h       | Khronos        |
|                | KHR/khrplatform.h  | Khronos        |

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include/GL/gl.h :

Mesa 3-D  
graphics library



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include/GL/glxext.h  
include/GL/wglxext.h :

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# 1.183 jetty-continuation 9.4.57.v20241219

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\* org.eclipse.jetty.orbit:javax.security.auth.message

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\* org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

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

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## Oracle OpenJDK

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- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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

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## Apache

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

-----

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

## 1.185 jctools-core 4.0.5

### 1.185.1 Available under license :

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

<name>Apache License, Version 2.0</name>

<url><http://www.apache.org/licenses/LICENSE-2.0.txt></url>

Found in path(s):

\* /jctools-core-4-0-5-6-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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

Manifest-Version: 1.0

Bnd-LastModified: 1717253512851

Build-Jdk-Spec: 1.8

Bundle-Description: Java Concurrency Tools Core Library

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Java Concurrency Tools Core Library

Bundle-SymbolicName: org.jctools.core

Bundle-Version: 4.0.5

Created-By: Apache Maven Bundle Plugin 5.1.8

Export-Package: org.jctools.maps;version="4.0.5",org.jctools.util;version="4.0.5";uses="sun.misc",org.jctools.queues;version="4.0.5",org.jctools.queues.atomic;version="4.0.5";uses="org.jctools.queues",org.jctools.queues.atomic.unpadded;version="4.0.5";uses="org.jctools.queues",org.jctools.queues.unpadded;version="4.0.5";uses="org.jctools.queues",org.jctools.counters;version="4.0.5"

Import-Package: sun.misc;resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\*

/jctools-core-4-0-5-6-jar/META-INF/MANIFEST.MF

# 1.186 apk-tools 2.14.9-r2

## 1.186.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
buildid="$srcdir/$_pkgreal-$pkgver"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
        INSTALLDIRS=vendor \
        NO_PACKLIST=1 \
        NO_PERLLOCAL=1
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
```

8065ba65f4fea16dc9262728b3b6b85

BSD-Resource-1.2911.tar.gz

"

# Contributor: Maxim Karasev <begs@disroot.org>

# Maintainer: mio <miyopan@e.email>

pkgname=bsd-games

pkgver=3.3

pkgrel=2

pkgdesc="traditional text mode games from BSD"

url="https://bsd-games.sourceforge.io/"

arch="all"

license="BSD-3-Clause"

install="\$pkgname.post-install"

makedepends="ncurses-dev coreutils" # configure causes busybox expr error

subpackages="\$pkgname-doc"

source="https://sourceforge.net/projects/bsd-games/files/bsd-games-\$pkgver.tar.gz

0001-bsd-games-scores-dir.patch

"

options="!check" # no tests

build() {

# some GNU autoconf options are ignored, but it works

./configure \

--build=\$CBUILD \

--host=\$CHOST \

--prefix=/usr \

--sysconfdir=/etc \

--mandir=/usr/share/man \

--scoredir=/usr/share/\$pkgname

make

}

package() {

make DESTDIR="\$pkgdir" install

install -Dm644 LICENSE "\$pkgdir"/usr/share/licenses/bsd-games/LICENSE

}

sha512sums="

aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6

8d3390143e0e62d5e3d210ccfb61294

bsd-games-3.3.tar.gz

e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0

577b7e278029ca5ed50f7aab22319f6 0001-bsd-games-scores-dir.patch

"

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

subpackages="\$pkgname-dev"

source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-\$pkgver.tar.bz2"

"

builddir="\$srcdir"/libart-lgpl-\$pkgver

```
prepare() {  
    update_config_sub  
    default_prepare  
}
```

```
build() {  
    ./configure \  
        --build=$CBUILD \  
        --host=$CHOST \  
        --prefix=/usr  
    make  
}
```

```
package() {  
    make DESTDIR="$pkgdir" install
```

}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7  
6654309e001aee9bace727b5b4c8589405256a3c020 libart\_lgpl-2.3.21.tar.bz2"  
mini\_sendmail - accept email on behalf of real sendmail

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# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>

# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>

pkgname=spdx-licenses

pkgver=3.26.0

pkgrel=0

pkgdesc="Various data formats for the SPDX License List"

url="https://spdx.org/"

arch="noarch"

options="!check" # no test suite

license="CC-BY-3.0"

source="license-list-data-\$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v\$pkgver.tar.gz"

builddir="\$srcdir/license-list-data-\$pkgver"

subpackages="\$pkgname-list"

\_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in \$\_types; do

subpackages="\$subpackages \$pkgname-\$type:\_subpkg"



done

```
package() {  
  mkdir -p "$pkgdir"  
}
```

```
_subpkg() {  
  local type=${subpkgname/$pkgname-/}  
  pkgdesc="$pkgdesc ($type)"  
  install_if="$pkgname=$pkgver-r$pkgrel"  
  mkdir -p "$subpkgdir"/usr/share/spdx  
  cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/  
}
```

```
list() {  
  pkgdesc="$pkgdesc (licence list)"  
  mkdir -p "$subpkgdir"/usr/share/spdx  
  local i; for i in "$builddir"/text/*.txt;  
  do  
    local license=${i##*/}  
    echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst  
  done  
}
```

```
sha512sums="  
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c  
0155e0c0e786e4777ee16d1cb7b885a license-list-data-3.26.0.tar.gz  
"
```

```
# Contributor: Patrycja Rosa <alpine@ptrcnnull.me>  
# Maintainer: Patrycja Rosa <alpine@ptrcnnull.me>  
pkgname=bsd-compat-headers  
pkgver=0.7.2  
pkgrel=6  
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"  
url="https://gitlab.alpinelinux.org/alpine/aports"  
arch="noarch"  
license="BSD-2-Clause AND BSD-3-Clause"  
source="  
cdefs.h  
queue.h  
tree.h  
"
```

```
builddir="$srcdir"  
options="!check" # just headers
```

```
package() {  
  mkdir -p "$pkgdir"  
  install -Dm644 -t "$pkgdir"/usr/include/sys \
```

```

cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"

```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95  
<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

# Contributor: Dhruvin Gandhi <contact@dhruvin>

# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>

pkgname=py3-license-expression

\_pkgname=license\_expression

pkgver=30.4.1

pkgrel=0

pkgdesc="Library to parse, compare, simplify and normalize license expressions"

url="https://github.com/nexB/license-expression"

arch="noarch"

```

license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312
fda3f699cbc7c4fbd47a71e220440fb0
    license_expression-30.4.1.tar.gz
"

/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

/*
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 *
 */

```

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 \* SUCH DAMAGE.

\*

\* @(#)queue.h 8.5 (Berkeley) 8/20/94

\*/

#ifndef \_SYS\_QUEUE\_H\_

#define \_SYS\_QUEUE\_H\_

/\*

\* This file defines five types of data structures: singly-linked lists,  
 \* lists, simple queues, tail queues, and circular queues.  
 \*  
 \* A singly-linked list is headed by a single forward pointer. The  
 \* elements are singly linked for minimum space and  
 \* pointer manipulation  
 \* overhead at the expense of O(n) removal for arbitrary elements. New  
 \* elements can be added to the list after an existing element or at the  
 \* head of the list. Elements being removed from the head of the list  
 \* should use the explicit macro for this purpose for optimum  
 \* efficiency. A singly-linked list may only be traversed in the forward  
 \* direction. Singly-linked lists are ideal for applications with large  
 \* datasets and few or no removals or for implementing a LIFO queue.  
 \*

\* A list is headed by a single forward pointer (or an array of forward  
 \* pointers for a hash table header). The elements are doubly linked  
 \* so that an arbitrary element can be removed without a need to  
 \* traverse the list. New elements can be added to the list before  
 \* or after an existing element or at the head of the list. A list  
 \* may only be traversed in the forward direction.  
 \*

\* A simple queue is headed by a pair of pointers, one the head of the  
 \* list and the  
 \* other to the tail of the list. The elements are singly  
 \* linked to save space, so elements can only be removed from the  
 \* head of the list. New elements can be added to the list after  
 \* an existing element, at the head of the list, or at the end of the  
 \* list. A simple queue may only be traversed in the forward direction.

```

*
* A tail queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before or
* after an existing element, at the head of the list, or at the end of
* the list. A tail queue may be traversed in either direction.
*
* A circle queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements
* can be added to the list before or after
* an existing element, at the head of the list, or at the end of the list.
* A circle queue may be traversed in either direction, but has a more
* complex end of list detection.
*
* For details on the use of these macros, see the queue(3) manual page.
*/

```

```

/*
* Include the definition of NULL only on NetBSD because sys/null.h
* is not available elsewhere. This conditional makes the header
* portable and it can simply be dropped verbatim into any system.
* The caveat is that on other systems some other header
* must provide NULL before the macros can be used.
*/

```

```

#ifdef __NetBSD__
#include <sys/null.h>
#endif

#if defined(QUEUEDEBUG)
# if defined(_KERNEL)
#  define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
#  include <err.h>
#  define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

```

```

/*
* Singly-linked List definitions.
*/
#define SLIST_HEAD(name, type) \
struct name { \
    struct type *slh_first; /* first \
    element */ \
}

```

```

#define SLIST_HEAD_INITIALIZER(head)  \
{ NULL }

#define SLIST_ENTRY(type)  \
struct {  \
    struct type *sle_next; /* next element */  \
}

/*
 * Singly-linked List access methods.
 */
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head) NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field)  \
for((var) = (head)->slh_first;  \
    (var) != SLIST_END(head);  \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar)  \
for ((var) = SLIST_FIRST((head));  \
    (var) != SLIST_END(head) &&  \
    ((tvar) = SLIST_NEXT((var), field), 1);  \
    (var) = (tvar))

/*
 * Singly-linked List functions.
 */
#define SLIST_INIT(head) do {  \
    (head)->slh_first = SLIST_END(head);  \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do {  \
    (elm)->field.sle_next = (slistelm)->field.sle_next;  \
    (slistelm)->field.sle_next  \
    = (elm);  \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do {  \
    (elm)->field.sle_next = (head)->slh_first;  \
    (head)->slh_first = (elm);  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_AFTER(slistelm, field) do {  \
    (slistelm)->field.sle_next =  \

```

```

    SLIST_NEXT(SLIST_NEXT((slistelm), field), field); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do { \
    (head)->slh_first = (head)->slh_first->field.sle_next; \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do { \
    if ((head)->slh_first == (elm)) { \
        SLIST_REMOVE_HEAD((head), field); \
    } \
    else { \
        struct type *curelm = (head)->slh_first; \
        while(curelm->field.sle_next != (elm)) \
            curelm = curelm->field.sle_next; \
        curelm->field.sle_next = \
            curelm->field.sle_next->field.sle_next; \
    } \
} while (/*CONSTCOND*/0)

/*
 * List definitions.
 */
#define LIST_HEAD(name, type) \
struct name { \
    struct type *lh_first; /* first element */ \
}

#define LIST_HEAD_INITIALIZER(head) \
{ NULL }

#define LIST_ENTRY(type) \
struct { \
    struct type *le_next; /* next element */ \
    struct type **le_prev; /* address of previous next element */ \
}

/*
 * List access methods.
 */
#define LIST_FIRST(head) ((head)->lh_first)
#define LIST_END(head) NULL
#define LIST_EMPTY(head) ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field) ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field) \
    for ((var) = ((head)->lh_first); \

```

```

    (var) != LIST_END(head); \
    (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = LIST_FIRST((head)); \
    (var) != LIST_END(head) && \
    ((tvar) = LIST_NEXT((var), field), 1); \
    (var) = (tvar))

#define LIST_MOVE(head1, head2) do { \
    LIST_INIT((head2)); \
    if (!LIST_EMPTY((head1))) \
    { \
        (head2)->lh_first = (head1)->lh_first; \
        LIST_INIT((head1)); \
    } \
} while (/*CONSTCOND*/0)

/*
 * List functions.
 */
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field) \
if ((head)->lh_first && \
    (head)->lh_first->field.le_prev != &(head)->lh_first) \
    QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field) \
if ((elm)->field.le_next && \
    (elm)->field.le_next->field.le_prev != \
    &(elm)->field.le_next) \
    QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.le_prev != (elm)) \
    QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field) \
(elm)->field.le_next = (void *)1L; \
(elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm, field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do { \
    (head)->lh_first = LIST_END(head); \

```



```

} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    if (((elm)->field.le_next = (listelm)->field.le_next) != \
        LIST_END(head)) \
        (listelm)->field.le_next->field.le_prev = \
            &(elm)->field.le_next; \
    (listelm)->field.le_next = (elm); \
    (elm)->field.le_prev = &(listelm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    (elm)->field.le_prev = (listelm)->field.le_prev; \
    (elm)->field.le_next = (listelm); \
    *(listelm)->field.le_prev = (elm); \
    (listelm)->field.le_prev = &(elm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.le_next \
        = (head)->lh_first) != LIST_END(head)) \
        (head)->lh_first->field.le_prev = &(elm)->field.le_next; \
    (head)->lh_first = (elm); \
    (elm)->field.le_prev = &(head)->lh_first; \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do { \
    QUEUEDEBUG_LIST_OP((elm), field) \
    if ((elm)->field.le_next != NULL) \
        (elm)->field.le_next->field.le_prev = \
            (elm)->field.le_prev; \
    *(elm)->field.le_prev = (elm)->field.le_next; \
    QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do { \
    if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
        (elm2)->field.le_next->field.le_prev = \
            &(elm2)->field.le_next; \
    (elm2)->field.le_prev = (elm)->field.le_prev; \
    *(elm2)->field.le_prev = (elm2); \
    QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

/*

```

```

* Simple queue definitions.
*/
#define SIMPLEQ_HEAD(name, type)  \
struct name {  \
    struct      \
    type *sqh_first; /* first element */  \
    struct type **sqh_last; /* addr of last next element */  \
}

#define SIMPLEQ_HEAD_INITIALIZER(head)  \
{ NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type)  \
struct {  \
    struct type *sqe_next; /* next element */  \
}

/*
* Simple queue access methods.
*/
#define SIMPLEQ_FIRST(head) ((head)->sqh_first)
#define SIMPLEQ_END(head) NULL
#define SIMPLEQ_EMPTY(head) ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head);  \
     (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head) &&  \
     ((next = ((var)->field.sqe_next)), 1);  \
     (var) = (next))

/*
* Simple queue functions.
*/
#define SIMPLEQ_INIT(head) do {  \
    (head)->sqh_first = NULL;  \
    (head)->sqh_last  \
    = &(head)->sqh_first;  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {  \
    if (((elm)->field.sqe_next = (head)->sqh_first) == NULL)  \
        (head)->sqh_last = &(elm)->field.sqe_next;  \
}

```

```

(head)->sqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.sqe_next = NULL; \
    *(head)->sqh_last = (elm); \
    (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
    (listelm)->field.sqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do { \
    if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
        (head)->sqh_last = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do { \
    if \
        (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
         == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do { \
    if ((head)->sqh_first == (elm)) { \
        SIMPLEQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->sqh_first; \
        while (curelm->field.sqe_next != (elm)) \
            curelm = curelm->field.sqe_next; \
        if ((curelm->field.sqe_next = \
            curelm->field.sqe_next->field.sqe_next) == NULL) \
            (head)->sqh_last = &(curelm)->field.sqe_next; \
    } \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do { \
    if (!SIMPLEQ_EMPTY((head2))) { \
        *(head1)->sqh_last = (head2)->sqh_first; \
        (head1)->sqh_last = (head2)->sqh_last; \
        SIMPLEQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

```

```

#define SIMPLEQ_LAST(head, type, field) \
(SIMPLEQ_EMPTY((head)) ? \
NULL : \
((struct type \
*)(void *) \
((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
 * Tail queue definitions.
 */
#define _TAILQ_HEAD(name, type, qual) \
struct name { \
    qual type *tqh_first; /* first element */ \
    qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head) \
{ TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual) \
struct { \
    qual type *tqe_next; /* next element */ \
    qual type *qual *tqe_prev; /* address of previous next element */ \
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
 * Tail queue access methods.
 */
#define TAILQ_FIRST(head) ((head)->tqh_first)
#define TAILQ_END(head) (NULL)
#define TAILQ_NEXT(elm, field) ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
(*(((struct headname *) (void *)((head)->tqh_last))->tqh_last))
#define TAILQ_PREV(elm, headname, field) \
(*(((struct headname \
*)(void *)((elm)->field.tqe_prev))->tqh_last))
#define TAILQ_EMPTY(head) (TAILQ_FIRST(head) == TAILQ_END(head))

#define TAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head); \
    (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->tqh_first); \

```

```

    (var) != TAILQ_END(head) && \
    ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field) \
for ((var) = TAILQ_LAST((head), headname); \
    (var) != TAILQ_END(head); \
    (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
for ((var) = TAILQ_LAST((head), headname); \
    (var) != TAILQ_END(head) && \
    ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
 * Tail queue functions.
 */
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, \
    elm, field) \
if ((head)->tqh_first && \
    (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
    QUEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field) \
if (*(head)->tqh_last != NULL) \
    QUEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_OP(elm, field) \
if ((elm)->field.tqe_next && \
    (elm)->field.tqe_next->field.tqe_prev != \
    &(elm)->field.tqe_next) \
    QUEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.tqe_prev != (elm)) \
    QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field) \
if ((elm)->field.tqe_next == NULL && \
    (head)->tqh_last != &(elm)->field.tqe_next) \
    QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d", \
        (head), (elm), __FILE__, \
        __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field) \
(elm)->field.tqe_next = (void *)1L; \
(elm)->field.tqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)

```

```

#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do { \
    (head)->tqh_first = TAILQ_END(head); \
    (head)->tqh_last = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head)) \
        (head)->tqh_first->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
        (head)->tqh_first = (elm); \
        (elm)->field.tqe_prev = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head, \
    elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field) \
    (elm)->field.tqe_next = TAILQ_END(head); \
    (elm)->field.tqe_prev = (head)->tqh_last; \
    *(head)->tqh_last = (elm); \
    (head)->tqh_last = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    if (((elm)->field.tqe_next = (listelm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
        (listelm)->field.tqe_next = (elm); \
        (elm)->field.tqe_prev = &(listelm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    (elm)->field.tqe_prev = (listelm)->field.tqe_prev; \
    (elm)->field.tqe_next = (listelm); \
    *(listelm)->field.tqe_prev = (elm); \
    (listelm)->field.tqe_prev

```

```

= &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_PREREMOVE((head), (elm), field) \
    QUEUEDEBDEBUG_TAILQ_OP((elm), field) \
    if (((elm)->field.tqe_next) != TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            (elm)->field.tqe_prev; \
    else \
        (head)->tqh_last = (elm)->field.tqe_prev; \
    *(elm)->field.tqe_prev = (elm)->field.tqe_next; \
    QUEUEDEBDEBUG_TAILQ_POSTREMOVE((elm), field); \
} while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do { \
    if (((elm2)->field.tqe_next = (elm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm2)->field.tqe_next->field.tqe_prev = \
            &(elm2)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm2)->field.tqe_next; \
    (elm2)->field.tqe_prev = (elm)->field.tqe_prev; \
    *(elm2)->field.tqe_prev = (elm2); \
    QUEUEDEBDEBUG_TAILQ_POSTREMOVE((elm), \
        field); \
} while (/*CONSTCOND*/0)

#define TAILQ_CONCAT(head1, head2, field) do { \
    if (!TAILQ_EMPTY(head2)) { \
        *(head1)->tqh_last = (head2)->tqh_first; \
        (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
        (head1)->tqh_last = (head2)->tqh_last; \
        TAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

/*
 * Singly-linked Tail queue declarations.
 */
#define STAILQ_HEAD(name, type) \
struct name { \
    struct type *stqh_first; /* first element */ \
    struct type **stqh_last; /* addr of last next element */ \
}

#define STAILQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).stqh_first }

```

```

#define STAILQ_ENTRY(type) \
struct { \
    struct type *stqe_next; /* next element */ \
}

/*
 * Singly-linked Tail queue access methods.
 */
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head) \
    == STAILQ_END(head))

/*
 * Singly-linked Tail queue functions.
 */
#define STAILQ_INIT(head) do { \
    (head)->stqh_first = NULL; \
    (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (head)->stqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.stqe_next = NULL; \
    *(head)->stqh_last = (elm); \
    (head)->stqh_last = &(elm)->field.stqe_next; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (listelm)->field.stqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do { \
    if (((head)->stqh_first = (head)->stqh_first->field.stqe_next) \
        == NULL) \
        (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE(head, elm, type, field) do { \

```



```

if ((head)->stqh_first == (elm)) { \
    STAILQ_REMOVE_HEAD((head), field); \
} else { \
    struct type *curelm = (head)->stqh_first; \
    while (curelm->field.stqe_next != (elm)) \
        curelm = curelm->field.stqe_next; \
    if ((curelm->field.stqe_next = \
        curelm->field.stqe_next->field.stqe_next) == NULL) \
        (head)->stqh_last = &(curelm->field.stqe_next); \
} \
} while (/*CONSTCOND*/0)

#define STAILQ_FOREACH(var, head, field) \
    for ((var) = ((head)->stqh_first); \
        (var); \
        (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar) \
    for ((var) = STAILQ_FIRST((head)); \
        (var) && ((tvar) = STAILQ_NEXT((var), field), 1); \
        (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do { \
    if (!STAILQ_EMPTY((head2))) { \
        *(head1)->stqh_last \
        = (head2)->stqh_first; \
        (head1)->stqh_last = (head2)->stqh_last; \
        STAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field) \
    (STAILQ_EMPTY((head)) ? \
    NULL : \
    ((struct type *) (void *) \
    ((char *) ((head)->stqh_last) - offsetof(struct type, field))))

#ifdef _KERNEL
/*
 * Circular queue definitions. Do not use. We still keep the macros
 * for compatibility but because of pointer aliasing issues their use
 * is discouraged!
 */

/*
 * __launder_type(): We use this ugly hack to work around the the compiler
 * noticing that two types may not alias each other and elide tests in code.

```

\* We hit this in the CIRCLEQ macros when comparing 'struct name \*' and  
 \* 'struct type \*' (see CIRCLEQ\_HEAD()). Modern compilers (such as GCC  
 \* 4.8) declare these comparisons as always false, causing the code to  
 \* not run as designed.  
 \*  
 \* This hack is only to be used for comparisons and thus can be fully const.  
 \* Do not use for assignment.  
 \*  
 \* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix  
 \* this by changing the head/tail sentinel values, but see the note above  
 \* this one.  
 \*/

```
static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
    __asm __volatile("" : "+r" (__x));
    return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field) \
    if ((head)->cqh_first != CIRCLEQ_ENDC(head) && \
        (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
            __FILE__, __LINE__); \
    if ((head)->cqh_last != CIRCLEQ_ENDC(head) && \
        (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
            __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_last != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ \
elm last %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_first != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
```

```

        (elm), __FILE__, __LINE__); \
    }
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field) \
    (elm)->field.cqe_next = (void *)1L; \
    (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type) \
struct name { \
    struct type *cqh_first; /* \
    first element */ \
    struct type *cqh_last; /* last element */ \
}

#define CIRCLEQ_HEAD_INITIALIZER(head) \
    { CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type) \
struct { \
    struct type *cqe_next; /* next element */ \
    struct type *cqe_prev; /* previous element */ \
}

/*
 * Circular queue functions.
 */
#define CIRCLEQ_INIT(head) do { \
    (head)->cqh_first = CIRCLEQ_END(head); \
    (head)->cqh_last = CIRCLEQ_END(head); \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm)->field.cqe_next; \
    (elm)->field.cqe_prev = (listelm); \
    if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (listelm)->field.cqe_next->field.cqe_prev = (elm); \
    (listelm)->field.cqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_BEFORE(head,

```

```

listelm, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm); \
    (elm)->field.cqe_prev = (listelm)->field.cqe_prev; \
    if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (listelm)->field.cqe_prev->field.cqe_next = (elm); \
    (listelm)->field.cqe_prev = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next = (head)->cqh_first; \
    (elm)->field.cqe_prev = CIRCLEQ_END(head); \
    if ((head)->cqh_last == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (head)->cqh_first->field.cqe_prev = (elm); \
    (head)->cqh_first = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next \
    = CIRCLEQ_END(head); \
    (elm)->field.cqe_prev = (head)->cqh_last; \
    if ((head)->cqh_first == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (head)->cqh_last->field.cqe_next = (elm); \
    (head)->cqh_last = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_REMOVE(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm)->field.cqe_prev; \
    else \
        (elm)->field.cqe_next->field.cqe_prev = \
            (elm)->field.cqe_prev; \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm)->field.cqe_next; \
    else \
        (elm)->field.cqe_prev->field.cqe_next = \
            (elm)->field.cqe_next; \
} while (/*CONSTCOND*/0)

```

```

QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_FOREACH(var, head, field) \
for ((var) = ((head)->cqh_first); \
    (var) != CIRCLEQ_ENDC(head); \
    (var) \
    = ((var)->field.cqe_next))

#define CIRCLEQ_FOREACH_REVERSE(var, head, field) \
for ((var) = ((head)->cqh_last); \
    (var) != CIRCLEQ_ENDC(head); \
    (var) = ((var)->field.cqe_prev))

/*
 * Circular queue access methods.
 */

#define CIRCLEQ_FIRST(head) ((head)->cqh_first)
#define CIRCLEQ_LAST(head) ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head) (__launter_type(head))
/* For assignments */
#define CIRCLEQ_END(head) ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head) \
    (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field) \
    (((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
    ? ((head)->cqh_first) \
    : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field) \
    (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
    ? ((head)->cqh_last) \
    : \
    (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

```

```

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS
#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct) fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

```

```
package() {  
  gpep517 install-wheel --destdir "$pkgdir" \  
    .dist/*.whl  
}
```

```
sha512sums="  
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237  
b316bd503ae7dceed6ca284ccd5a74d  
flake8-copyright-0.2.4.tar.gz  
"
```

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Version 2, June 1991

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# Maintainer: fossdd <fossdd@pwned.life>

pkgname=cargo-license

pkgver=0.6.1

pkgrel=1

pkgdesc="Cargo subcommand to see license of dependencies"

url="https://github.com/onur/cargo-license"

arch="all"

license="MIT"

makedepends="cargo cargo-auditable"

source="\$pkgname-\$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/\$pkgver/download"

prepare() {  
 default\_prepare

cargo fetch --target="\$CTARGET" --locked  
}

build() {  
 cargo auditable build --release --frozen  
}

check() {  
 cargo test --frozen  
}

package() {  
 install -Dm755 target/release/cargo-license -t "\$pkgdir"/usr/bin  
}

sha512sums="

36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00  
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz  
"

/\* \$NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp \$ \*/

/\* \$OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp \$ \*/

/\* Modified by Void Linux. \*/

```

/*
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 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

```

```

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y) \
    ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) || \
     (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

```

```

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

```

```

/*
 * This file defines data structures for different types of trees:
 * splay trees and red-black trees.
 *
 * A splay tree is a self-organizing

```

data structure. Every operation

- \* on the tree causes a splay to happen. The splay moves the requested
- \* node to the root of the tree and partly rebalances it.
- \*
- \* This has the benefit that request locality causes faster lookups as
- \* the requested nodes move to the top of the tree. On the other hand,
- \* every lookup causes memory writes.
- \*
- \* The Balance Theorem bounds the total access time for m operations
- \* and n inserts on an initially empty tree as  $O((m + n)\lg n)$ . The
- \* amortized cost for a sequence of m accesses to a splay tree is  $O(\lg n)$ ;
- \*
- \* A red-black tree is a binary search tree with the node color as an
- \* extra attribute. It fulfills a set of conditions:
- \* - every search path from the root to a leaf consists of the
- \* same number of black nodes,
- \* - each red node (except for the root) has a black parent,
- \* - each leaf node is black.
- \*
- \* Every operation on a red-black tree is bounded as  $O(\lg n)$ .
- \* The maximum height of a red-black tree is  $2\lg(n+1)$ .
- \*/

```
#define SPLAY_HEAD(name, type) \
struct name { \
    struct type *sph_root; /* root of the tree */ \
}
```

```
#define SPLAY_INITIALIZER(root) \
{ NULL }
```

```
#define SPLAY_INIT(root) do { \
    (root)->sph_root = NULL; \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_ENTRY(type) \
struct { \
    struct type *spe_left; /* left element */ \
    struct type *spe_right; /* right element */ \
}
```

```
#define SPLAY_LEFT(elm, field) (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field) (elm)->field.spe_right
#define SPLAY_ROOT(head) (head)->sph_root
#define SPLAY_EMPTY(head) (SPLAY_ROOT(head) == NULL)
```

```
/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do { \
```



```

    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do { \
    SPLAY_RIGHT((head)->sph_root, \
    field) = SPLAY_LEFT(tmp, field); \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do { \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_LEFT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do { \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do { \
    SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
    SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field); \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
    SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
    SPLAY_PROTOTYPE(name, type, field, cmp) \
    void name##_SPLAY(struct name *, struct type *); \
    void name##_SPLAY_MINMAX(struct name *, int); \
    struct type *name##_SPLAY_INSERT(struct name *, struct type *); \
    struct type *name##_SPLAY_REMOVE(struct name *, struct type *); \
    \
/* Finds the node with the same key as elm */ \
static __inline struct type * \
name##_SPLAY_FIND(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) \
        return(NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) \

```

```

    return (head->sph_root); \
return (NULL); \
} \
\
static __inline __sys_tree_h_unused struct type * \
name##_SPLAY_NEXT(struct name *head, struct type *elm) \
{ \
    name##_SPLAY(head, elm); \
    if (SPLAY_RIGHT(elm, field) != NULL) { \
        elm = SPLAY_RIGHT(elm, field); \
        while (SPLAY_LEFT(elm, field) != NULL) { \
            elm = SPLAY_LEFT(elm, field); \
        } \
    } \
    else \
        elm = NULL; \
    return (elm); \
} \
\
static __sys_tree_h_unused __inline struct type * \
name##_SPLAY_MIN_MAX(struct name *head, int val) \
{ \
    name##_SPLAY_MINMAX(head, val); \
    return (SPLAY_ROOT(head)); \
}

/* Main splay operation.
 * Moves node close to the key of elm to top
 */
#define SPLAY_GENERATE(name, type, field, cmp) \
struct type * \
name##_SPLAY_INSERT(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) { \
        SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
    } else { \
        int __comp; \
        name##_SPLAY(head, elm); \
        __comp = (cmp)(elm, (head)->sph_root); \
        if (__comp < 0) { \
            SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field); \
            SPLAY_RIGHT(elm, field) = (head)->sph_root; \
            SPLAY_LEFT((head)->sph_root, field) = NULL; \
        } else if (__comp > 0) { \
            SPLAY_RIGHT(elm, \
field) = SPLAY_RIGHT((head)->sph_root, field); \
            SPLAY_LEFT(elm, field) = (head)->sph_root; \
            SPLAY_RIGHT((head)->sph_root, field) = NULL; \
        } \
    } \
}

```

```

    } else \
        return ((head)->sph_root); \
    } \
    (head)->sph_root = (elm); \
    return (NULL); \
} \
\
struct type * \
name##_SPLAY_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *__tmp; \
    if (SPLAY_EMPTY(head)) \
        return (NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) { \
        if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
            (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
        } else { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field);\
            (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
            name##_SPLAY(head, elm); \
            SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
        } \
        return (elm); \
    } \
    return (NULL); \
} \
\
void \
name##_SPLAY(struct \
    name *head, struct type *elm) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    int __comp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field);\
            if (__tmp == NULL) \
                break; \
            if ((cmp)(elm, __tmp) < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field);\
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \

```

```

    SPLAY_LINKLEFT(head, __right, field); \
} else if (__comp > 0) { \
    __tmp = SPLAY_RIGHT((head)->sph_root, field); \
    if (__tmp == NULL) \
        break; \
    if ((cmp)(elm, __tmp) > 0){ \
        SPLAY_ROTATE_LEFT(head, __tmp, field); \
        if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
            break; \
    } \
    SPLAY_LINKRIGHT(head, __left, field); \
} \
} \
SPLAY_ASSEMBLE(head,
&__node, __left, __right, field); \
} \
\
/* Splay with either the minimum or the maximum element \
* Used to find minimum or maximum element in tree. \
*/ \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while (1) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if (__comp < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field); \
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKLEFT(head, __right, field); \
        } else if (__comp > 0) { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if (__comp > 0) { \
                SPLAY_ROTATE_LEFT(head, __tmp, field); \
                if (SPLAY_RIGHT((head)->sph_root,
field) == NULL)\
                    break; \
            } \

```

```

    SPLAY_LINKRIGHT(head, __left, field); \
} \
} \
SPLAY_ASSEMBLE(head, &__node, __left, __right, field); \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y) name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y) name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head) \
for ((x) = SPLAY_MIN(name, head); \
    (x) != NULL; \
    (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type) \
struct name { \
    struct type *rbh_root; /* root of the tree */ \
}

#define RB_INITIALIZER(root) \
{ \
    NULL \
}

#define RB_INIT(root) do { \
    (root)->rbh_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED 1
#define RB_ENTRY(type) \
struct { \
    struct type *rbe_left; /* left element */ \
    struct type *rbe_right; /* right element */ \
    struct type *rbe_parent; /* parent element */ \
    int rbe_color; /* node color */ \
}

#define RB_LEFT(elm, field) (elm)->field.rbe_left

```

```

#define RB_RIGHT(elm, field) (elm)->field.rbe_right
#define RB_PARENT(elm, field) (elm)->field.rbe_parent
#define RB_COLOR(elm, field) (elm)->field.rbe_color
#define RB_ROOT(head) (head)->rbh_root
#define RB_EMPTY(head) (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do { \
    RB_PARENT(elm, field) = parent; \
    RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL; \
    RB_COLOR(elm, field) = RB_RED; \
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do { \
    RB_COLOR(black, field) = RB_BLACK; \
    RB_COLOR(red, field) \
    = RB_RED; \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do { \
    (tmp) = RB_RIGHT(elm, field); \
    if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
        RB_PARENT(RB_LEFT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_LEFT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do { \
    (tmp) = RB_LEFT(elm, field); \
    if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field)) \
        != NULL) { \
        RB_PARENT(RB_RIGHT(tmp, field), field) = (elm); \
    } \
} \

```

```

RB_AUGMENT(elm); \
if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
    if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
        RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
    else \
        RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
} else \
    (head)->rbh_root = (tmp); \
RB_RIGHT(tmp, field) = (elm); \
RB_PARENT(elm, field) = (tmp); \
RB_AUGMENT(tmp); \
if ((RB_PARENT(tmp, field))) \
    RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr) \
    attr void name##_RB_INSERT_COLOR(struct name *, struct \
        type *); \
    attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *); \
    attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
    attr struct type *name##_RB_INSERT(struct name *, struct type *); \
    attr struct type *name##_RB_FIND(struct name *, struct type *); \
    attr struct type *name##_RB_NFIND(struct name *, struct type *); \
    attr struct type *name##_RB_NEXT(struct type *); \
    attr struct type *name##_RB_PREV(struct type *); \
    attr struct type *name##_RB_MINMAX(struct name *, int); \
    \

/* Main rb operation.
 * Moves node close to the key of elm to top
 */
#define RB_GENERATE(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr) \
    attr void \
    name##_RB_INSERT_COLOR(struct name *head, struct type *elm) \
    { \
        struct type \
        *parent, *gparent, *tmp; \
        while ((parent = RB_PARENT(elm, field)) != NULL && \
            RB_COLOR(parent, field) == RB_RED) { \

```

```

gparent = RB_PARENT(parent, field); \
if (parent == RB_LEFT(gparent, field)) { \
    tmp = RB_RIGHT(gparent, field); \
    if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
        RB_COLOR(tmp, field) = RB_BLACK; \
        RB_SET_BLACKRED(parent, gparent, field);\
        elm = gparent; \
        continue; \
    } \
    if (RB_RIGHT(parent, field) == elm) { \
        RB_ROTATE_LEFT(head, parent, tmp, field);\
        tmp = parent; \
        parent = elm; \
        elm = tmp; \
    } \
    RB_SET_BLACKRED(parent, gparent, field); \
    RB_ROTATE_RIGHT(head, gparent, tmp, field); \
} else { \
    tmp = RB_LEFT(gparent, field); \
    if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
        RB_COLOR(tmp, field) = RB_BLACK; \
        RB_SET_BLACKRED(parent, gparent, field);\
        elm = gparent; \
        continue; \
    } \
    if (RB_LEFT(parent, field) == elm) \
{ \
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    tmp = parent; \
    parent = elm; \
    elm = tmp; \
} \
    RB_SET_BLACKRED(parent, gparent, field); \
    RB_ROTATE_LEFT(head, gparent, tmp, field); \
} \
} \
RB_COLOR(head->rbh_root, field) = RB_BLACK; \
} \
\
attr void \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{ \
    struct type *tmp; \
    while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
        elm != RB_ROOT(head)) { \
        if (RB_LEFT(parent, field) == elm) { \
            tmp = RB_RIGHT(parent, field); \
            if (RB_COLOR(tmp, field) == RB_RED) { \

```



```

RB_SET_BLACKRED(tmp, parent, field); \
RB_ROTATE_LEFT(head, parent, tmp, field);\
tmp = RB_RIGHT(parent, field); \
} \
if ((RB_LEFT(tmp, field) == NULL || \
    RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
    (RB_RIGHT(tmp, field) == NULL || \
    RB_COLOR(RB_RIGHT(tmp,
field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED; \
    elm = parent; \
    parent = RB_PARENT(elm, field); \
} else { \
    if (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
        struct type *oleft; \
        if ((oleft = RB_LEFT(tmp, field)) \
            != NULL) \
            RB_COLOR(oleft, field) = RB_BLACK;\
        RB_COLOR(tmp, field) = RB_RED; \
        RB_ROTATE_RIGHT(head, tmp, oleft, field);\
        tmp = RB_RIGHT(parent, field); \
    } \
    RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_RIGHT(tmp, field)) \
        RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    elm = RB_ROOT(head); \
    break; \
} \
} else { \
    tmp = RB_LEFT(parent, field); \
    if (RB_COLOR(tmp, field) == RB_RED) { \
        RB_SET_BLACKRED(tmp, parent, field); \
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        tmp
= RB_LEFT(parent, field); \
    } \
    if ((RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
        (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
        RB_COLOR(tmp, field) = RB_RED; \
        elm = parent; \
        parent = RB_PARENT(elm, field); \
    } else { \
        if (RB_LEFT(tmp, field) == NULL || \

```

```

    RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
struct type *oright; \
if ((oright = RB_RIGHT(tmp, field)) \
    != NULL) \
    RB_COLOR(oright, field) = RB_BLACK;\
    RB_COLOR(tmp, field) = RB_RED; \
    RB_ROTATE_LEFT(head, tmp, oright, field);\
    tmp = RB_LEFT(parent, field); \
} \
RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
RB_COLOR(parent, field) = RB_BLACK; \
if (RB_LEFT(tmp, field)) \
    RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    elm = RB_ROOT(head); \
    break; \
} \
} \
} \
if
(elm) \
    RB_COLOR(elm, field) = RB_BLACK; \
} \
\
attr struct type * \
name##_RB_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *child, *parent, *old = elm; \
    int color; \
    if (RB_LEFT(elm, field) == NULL) \
        child = RB_RIGHT(elm, field); \
    else if (RB_RIGHT(elm, field) == NULL) \
        child = RB_LEFT(elm, field); \
    else { \
        struct type *left; \
        elm = RB_RIGHT(elm, field); \
        while ((left = RB_LEFT(elm, field)) != NULL) \
            elm = left; \
        child = RB_RIGHT(elm, field); \
        parent = RB_PARENT(elm, field); \
        color = RB_COLOR(elm, field); \
        if (child) \
            RB_PARENT(child, field) = parent; \
        if (parent) { \
            if (RB_LEFT(parent, field) == elm) \
                RB_LEFT(parent, field) = child; \
            else \
                RB_RIGHT(parent, field) = child; \

```

```

    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head)
= child; \
if (RB_PARENT(elm, field) == old) \
    parent = elm; \
(elm)->field = (old)->field; \
if (RB_PARENT(old, field)) { \
    if (RB_LEFT(RB_PARENT(old, field), field) == old)\
        RB_LEFT(RB_PARENT(old, field), field) = elm;\
    else \
        RB_RIGHT(RB_PARENT(old, field), field) = elm;\
    RB_AUGMENT(RB_PARENT(old, field)); \
} else \
    RB_ROOT(head) = elm; \
RB_PARENT(RB_LEFT(old, field), field) = elm; \
if (RB_RIGHT(old, field)) \
    RB_PARENT(RB_RIGHT(old, field), field) = elm; \
if (parent) { \
    left = parent; \
    do { \
        RB_AUGMENT(left); \
    } while ((left = RB_PARENT(left, field)) != NULL); \
} \
goto color; \
} \
parent = RB_PARENT(elm, field); \
color = RB_COLOR(elm, field); \
if (child) \
    RB_PARENT(child, field) = parent; \
if (parent) { \
    if (RB_LEFT(parent, field) == elm) \
        RB_LEFT(parent, field) = child; \
    else \
        RB_RIGHT(parent,
field) = child; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head) = child; \
color: \
if (color == RB_BLACK) \
    name##_RB_REMOVE_COLOR(head, parent, child); \
return (old); \
} \
\
/* Inserts a node into the RB tree */ \
attr struct type * \
name##_RB_INSERT(struct name *head, struct type *elm) \

```

```

{
    \
    struct type *tmp;    \
    struct type *parent = NULL;    \
    int comp = 0;    \
    tmp = RB_ROOT(head);    \
    while (tmp) {    \
        parent = tmp;    \
        comp = (cmp)(elm, parent);    \
        if (comp < 0)    \
            tmp = RB_LEFT(tmp, field);    \
        else if (comp > 0)    \
            tmp = RB_RIGHT(tmp, field);    \
        else    \
            return (tmp);    \
    }    \
    RB_SET(elm, parent, field);    \
    if (parent != NULL) {    \
        if (comp < 0)    \
            RB_LEFT(parent, field) = elm;    \
        else    \
            RB_RIGHT(parent, field) = elm;    \
        RB_AUGMENT(parent);    \
    } else    \
        RB_ROOT(head) = elm;    \
    name##_RB_INSERT_COLOR(head,
    elm);    \
    return (NULL);    \
}    \
    \
/* Finds the node with the same key as elm */    \
attr struct type *    \
name##_RB_FIND(struct name *head, struct type *elm)    \
{
    \
    struct type *tmp = RB_ROOT(head);    \
    int comp;    \
    while (tmp) {    \
        comp = cmp(elm, tmp);    \
        if (comp < 0)    \
            tmp = RB_LEFT(tmp, field);    \
        else if (comp > 0)    \
            tmp = RB_RIGHT(tmp, field);    \
        else    \
            return (tmp);    \
    }    \
    return (NULL);    \
}    \
    \
/* Finds the first node greater than or equal to the search key */    \

```

```

attr struct type * \
name##_RB_NFIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *res = NULL; \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) { \
            res = tmp; \
            tmp = RB_LEFT(tmp, field); \
        } \
        else if (comp > 0) \
            tmp = \
RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (res); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_NEXT(struct type *elm) \
{ \
    if (RB_RIGHT(elm, field)) { \
        elm = RB_RIGHT(elm, field); \
        while (RB_LEFT(elm, field)) \
            elm = RB_LEFT(elm, field); \
    } else { \
        if (RB_PARENT(elm, field) && \
            (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        else { \
            while (RB_PARENT(elm, field) && \
                (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
                elm = RB_PARENT(elm, field); \
            elm = RB_PARENT(elm, field); \
        } \
    } \
    return (elm); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_PREV(struct type *elm) \
{ \
    if (RB_LEFT(elm, field)) { \

```

```

elm = RB_LEFT(elm, field); \
while (RB_RIGHT(elm, field)) \
    elm = RB_RIGHT(elm, field); \
}
else { \
    if (RB_PARENT(elm, field) && \
        (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
        elm = RB_PARENT(elm, field); \
    else { \
        while (RB_PARENT(elm, field) && \
            (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        elm = RB_PARENT(elm, field); \
    } \
} \
return (elm); \
} \
\

attr struct type * \
name##_RB_MINMAX(struct name *head, int val) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *parent = NULL; \
    while (tmp) { \
        parent = tmp; \
        if (val < 0) \
            tmp = RB_LEFT(tmp, field); \
        else \
            tmp = RB_RIGHT(tmp, field); \
    } \
    return (parent); \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x, y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x) name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x) name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head) \
    for ((x) = RB_MIN(name, head); \

```

```

(x) != NULL;    \
(x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y)    \
for ((x) = (y);    \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
     (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y)    \
for ((x) = RB_MIN(name, head);    \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
     (x) = (y))

#define RB_FOREACH_REVERSE(x, name, head)    \
for ((x) = RB_MAX(name, head);    \
     (x) != NULL;    \
     (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y)    \
for ((x) = (y);    \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
     (x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name, \
head, y)    \
for ((x) = RB_MAX(name, head);    \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
     (x) = (y))

#endif /* _SYS_TREE_H_ */

```

# 1.187 musl-utils 1.2.5-r10

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## 1.189 ssl-client 1.37.0-r18

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## 1.190 busybox 1.37.0-r18

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\*/

Found in path(s):

\* /aports-master-main-busybox-zip/aports-master-main-busybox/main/busybox/bbsuid.c

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\* depmod - generate modules.dep

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- \* Copyright (c) 2008 Timo Teras <timo.teras@iki.fi>

+ \* Copyright (c) 2008-2015 Timo Teras <timo.teras@iki.fi>

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\*

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@@ -25,6 +25,24 @@

#include "modutils.h"

#include <sys/utsname.h> /\* uname() \*/

+#define INDEX\_MINCHAR 32

+#define INDEX\_MAXCHAR 128

+

+typedef struct index\_node {

+ char \*prefix;

+ llist\_t \*values;

+ struct index\_node \*children[INDEX\_MAXCHAR-INDEX\_MINCHAR];

+} index\_node;

+

+struct globals {

+ module\_db db;

+ index\_node \*root\_node;

+} FIX\_ALIASING;

+#define G (\*ptr\_to\_globals)

+#define INIT\_G() do { \

+ SET\_PTR\_TO\_GLOBALS(xzalloc(sizeof(G))); \

+} while (0)

+

/\*

\* Theory of operation:

\* - iterate over all modules and record their full path

@@ -53,18 +71,12 @@ static int FAST\_FUNC parse\_module(struct recursive\_state

\*state,

for (ptr = image; ptr < image + len - 10; ptr++) {

if (is\_prefixed\_with(ptr, "depends=")) {

- char \*u;

-

ptr += 8;

- for (u = ptr; \*u; u++)

- if (\*u == '-')

- \*u = '\_';

- ptr += string\_to\_llist(ptr, &e->deps, ",");

```

+ string_to_llist(replace_underscores(ptr), &e->deps, ",");
} else if (ENABLE_FEATURE_MODUTILS_ALIAS
&& is_prefixed_with(ptr, "alias=")
) {
- llist_add_to(&e->aliases, xstrdup(ptr + 6));
- ptr += strlen(ptr);
+ llist_add_to(&e->aliases, replace_underscores(xstrdup(ptr + 6)));
} else if (ENABLE_FEATURE_MODUTILS_SYMBOLS
&& is_prefixed_with(ptr, "__ksymtab_")
) {
@@ -74,9 +86,10 @@ static int FAST_FUNC parse_module(struct recursive_state *state,
) {
continue;
}
- llist_add_to(&e->symbols, xstrdup(ptr));
- ptr += strlen(ptr);
- }
+ llist_add_to(&e->symbols, xasprintf("symbol:%s", ptr));
+ } else
+ continue;
+ ptr += strlen(ptr);
}
free(image);

@@ -108,12 +121,6 @@ static void order_dep_list(module_db *modules, module_entry *start, llist_t
*add
}
}

-static void xfreopen_write(const char *file, FILE *f)
-{
- if (freopen(file, "w", f) == NULL)
- bb_perror_msg_and_die("can't open '%s'", file);
-}
-
//usage:#if !ENABLE_MODPROBE_SMALL
//usage:#define depmod_trivial_usage "[-n] [-b BASE] [VERSION] [MODFILES]..."
//usage:#define depmod_full_usage "\n\n"
@@ -167,6 +174,169 @@ enum {
OPT_C = (1 << 9), /* -C,--config etc_modules_conf: ignored */

Found in path(s):
* /aports-master-main-busybox-zip/aports-master-main-busybox/main/busybox/0018-depmod-support-generating-
kmod-binary-index-files.patch
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```

Found in path(s):

\* /aports-master-main-busybox-zip/aports-master-main-busybox/main/busybox/0024-umount-Implement-O-option-to-unmount-by-mount-option.patch

# 1.191 alpine-baselayout-data 3.7.0-r0

## 1.191.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
# Maintainer: Francesco Colista <francesco.colista@gmail.com>
pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/_pkgreal-$pkgver.tar.gz"

_buildddir="$srcdir/_pkgreal-$pkgver"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    make && make test
}

package() {
    cd "$_buildddir"
    make
    DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35 Software-License-0.103004.tar.gz"
```

```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2"
"
```

```
_builddir="$srcdir"/libart-lgpl-$pkgver
```

```
prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}
```

```
build() {
    cd "$_builddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        || return 1
    make || return 1
}
```

```
package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"
```

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95052.

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# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=2
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

_buildddir="$srcdir/${_pkgreal}-${pkgver}"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}`
    make && make test || return 1
}

package() {
    cd "$_buildddir"
```

```

make DESTDIR="$pkgdir" install || return 1
find "$pkgdir"
\ ( -name perllocal.pod -o -name .packlist \) -delete
}

```

```

md5sums="3c6dd2fa953088aa87e263f40818d012 BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06 BSD-Resource-
1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd
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pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver
```

```
build() {
    cd "$builddir"
    python3 setup.py build || return 1
}
```

```
package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}
```

```
md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"
mini_sendmail - accept email on behalf of real sendmail
```

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```
java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList();
getEditionDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
if (!getEditionDefaultsList()
.equals(other.getEditionDefaultsList())) return false;
hash = (53 * hash) + getEditionDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
getDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
if (!getDefaultsList()
.equals(other.getDefaultsList())) return false;
hash
= (53 * hash) + getDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
getLeadingDetachedCommentsList();
getLeadingDetachedCommentsList() {
size += 1 * getLeadingDetachedCommentsList().size();
if (!getLeadingDetachedCommentsList()
.equals(other.getLeadingDetachedCommentsList())) return false;
hash = (53 * hash) + getLeadingDetachedCommentsList().hashCode();
getLeadingDetachedCommentsList() {
```

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\* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/DescriptorProtos.java

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\* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/SingleFieldBuilder.java

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\* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Android.java

- \* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageOrBuilder.java
- \* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Java8Compatibility.java
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- /protobuf-java-3-25-8-sources-jar/com/google/protobuf/TextFormatEscaper.java
- \* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ManifestSchemaFactory.java
- \* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/NioByteString.java
- \* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RawMessageInfo.java
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- \* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageLiteOrBuilder.java
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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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ASM: a very small and fast Java bytecode manipulation framework

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  - Origin: Derived from boost special math functions, Copyright Eric Ford & Hubert Holin 2001.
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  - Origin: Derived from GWT, (C) 2007-08 Google Inc.
- Path: libraries/stdlib/native-wasm/src/kotlin/collections
  - License: Apache 2 ([license/third\_party/gwt\_license.txt][gwt])
  - Origin: Derived from GWT, (C) 2007-08 Google Inc.
- Path: libraries/stdlib/js/runtime/longJs.kt
  - License: Apache 2 ([license/third\_party/closure-compiler\_LICENSE.txt][closure-compiler])
  - Origin: Google Closure Library, Copyright 2009 The Closure Library Authors
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- Origin: Derived from assemblyscript standard library
  
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- Path: plugins/lint/lint-api
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  - plugins/lint/lint-idea
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- Path: plugins/power-assert
  - License: Apache 2 ([license/third\_party/power\_assert\_license.txt][power-assert])
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- Path: wasm/ir/src/org/jetbrains/kotlin/wasm/ir/convertors
  - License: MIT ([license/third\_party/asmble\_license.txt][asmble])
  - Origin: Copyright (C) 2018 Chad Retz
  
- Path: compiler/tests-common/tests/org/jetbrains/kotlin/codegen/ir/ComposeLikeGenerationExtension.kt
  - License: Apache 2 ([license/third\_party/aosp\_license.txt][aosp])
  - Origin: Derived from JetPack Compose compiler plugin code, Copyright 2019 The Android Open Source Project
  
- Path: libraries/stdlib/wasm/src/kotlin/text/FloatingPointConverter.kt
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  - License: SUN ([license/third\_party/sun\_license.txt][sun])
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tests/src/test/resources/testProject/allOpenSpring/src/org/springframework/stereotype/Component.java
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spring/src/main/java/org/springframework/stereotype/Component.java
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  - License: Apache 2 ([license/third\_party/gradle\_license.txt][gradle])
  - Origin: Gradle, Copyright 2002-2017 Gradle, Inc.
  
- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/target/test-classes/testProject/noArgJpa/src/javax/persistence/Entity.java
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  - Origin: javax.persistence, Copyright (c) 2008, 2017 Sun Microsystems, Oracle Corporation.
  
- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/noArgJpa/src/javax/persistence/Entity.java
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  - Origin: javax.persistence, Copyright (c) 2008, 2017 Sun Microsystems, Oracle Corporation.
  
- Path: libraries/tools/kotlin-gradle-plugin-integration-tests/src/test/resources/testProject/noArgJpa/src/javax/persistence/Embeddable.java
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- Origin: jQuery JavaScript Library v1.6.2, Copyright 2011, John Resig
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# javaagent

## Dependency License Report

## Apache License, Version 2.0

**\*\*1\*\*** **\*\*Group:\*\*** `codes.rafael.asmjdkbridge` **\*\*Name:\*\*** `asm-jdk-bridge` **\*\*Version:\*\*** `0.0.9`  
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**\*\*2\*\*** **\*\*Group:\*\*** `com.blogspot.mydailyjava` **\*\*Name:\*\*** `weak-lock-free` **\*\*Version:\*\*** `0.18`  
> - **\*\*Manifest License\*\***: Apache License, Version 2.0 (Not Packaged)  
> - **\*\*POM Project URL\*\***: [<https://github.com/raphw/weak-lock-free>](<https://github.com/raphw/weak-lock-free>)  
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**\*\*3\*\*** **\*\*Group:\*\*** `com.fasterxml.jackson.core` **\*\*Name:\*\*** `jackson-annotations` **\*\*Version:\*\*** `2.19.0`  
> - **\*\*Project URL\*\***: [<https://github.com/FasterXML/jackson>](<https://github.com/FasterXML/jackson>)  
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**\*\*4\*\*** **\*\*Group:\*\*** `com.fasterxml.jackson.core` **\*\*Name:\*\*** `jackson-core` **\*\*Version:\*\*** `2.19.0`  
> - **\*\*Project URL\*\***: [<https://github.com/FasterXML/jackson-core>](<https://github.com/FasterXML/jackson-core>)  
> - **\*\*Manifest License\*\***: Apache License, Version 2.0 (Not Packaged)  
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- [jackson-core-2.19.0.jar/META-INF/NOTICE](jackson-core-2.19.0.jar/META-INF/NOTICE)

**5** **Group:** `com.fasterxml.jackson.core`
**Name:** `jackson-databind` **Version:** `2.19.0`
> - **Project URL:** [https://github.com/FasterXML/jackson](https://github.com/FasterXML/jackson)
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**6** **Group:** `com.fasterxml.jackson.dataformat` **Name:** `jackson-dataformat-yaml` **Version:** `2.19.0`
> - **Project URL:** [https://github.com/FasterXML/jackson-dataformats-text](https://github.com/FasterXML/jackson-dataformats-text)
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**7** **Group:** `com.google.cloud.opentelemetry` **Name:** `detector-resources-support` **Version:** `0.34.0`
> - **POM Project URL:** [https://github.com/GoogleCloudPlatform/opentelemetry-operations-java](https://github.com/GoogleCloudPlatform/opentelemetry-operations-java)
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**8** **Group:** `com.googlecode.concurrentlinkedhashmap` **Name:** `concurrentlinkedhashmap-lru` **Version:** `1.4.2`
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> - **POM Project URL:** [http://code.google.com/p/concurrentlinkedhashmap](http://code.google.com/p/concurrentlinkedhashmap)
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**9** **Group:** `com.squareup.okhttp3` **Name:** `okhttp` **Version:** `4.12.0`
> - **POM Project URL:** [https://square.github.io/okhttp/](https://square.github.io/okhttp/)
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```

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**10** **Group:** `com.squareup.okio` **Name:** `okio` **Version:** `3.11.0`
> - **POM Project URL:** [https://github.com/square/okio/](https://github.com/square/okio/)
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**11** **Group:** `com.squareup.okio`
**Name:** `okio-jvm` **Version:** `3.11.0`
> - **POM Project URL:** [https://github.com/square/okio/](https://github.com/square/okio/)
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**12** **Group:** `io.opentelemetry` **Name:** `opentelemetry-api` **Version:** `1.50.0`
> - **POM Project URL:** [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)
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**13** **Group:** `io.opentelemetry` **Name:** `opentelemetry-api-incubator` **Version:** `1.50.0-alpha`
> - **POM Project URL:** [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)
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**14**
**Group:** `io.opentelemetry` **Name:** `opentelemetry-context` **Version:** `1.50.0`
> - **POM Project URL:** [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)
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**15** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-common` **Version:** `1.50.0`
> - **POM Project URL:** [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)
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**16** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-logging` **Version:** `1.50.0`
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**17** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-logging-otlp` **Version:** `1.50.0`
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**18** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-otlp` **Version:** `1.50.0`
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**19** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-otlp-common` **Version:** `1.50.0`
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**20** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-prometheus` **Version:** `1.50.0-alpha`
> - **POM Project URL:** [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)
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**21** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-sender-okhttp` **Version:** `1.50.0`
> - **POM Project URL:** [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)
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**22**
**Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-zipkin` **Version:** `1.50.0`
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**23** **Group:** `io.opentelemetry` **Name:** `opentelemetry-extension-kotlin` **Version:** `1.50.0`
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**24** **Group:** `io.opentelemetry` **Name:** `opentelemetry-extension-trace-propagators` **Version:** `1.50.0`
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**\*\*26\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-common` **\*\*Version:\*\*** `1.50.0`  
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**\*\*27\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-extension-autoconfigure`  
**\*\*Version:\*\*** `1.50.0`  
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**\*\*28\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-extension-autoconfigure-spi` **\*\*Version:\*\*** `1.50.0`  
 > - **\*\*POM Project URL\*\***: [https://github.com/open-telemetry/opentelemetry-java](https://github.com/open-telemetry/opentelemetry-java)  
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**\*\*29\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-extension-incubator` **\*\*Version:\*\*** `1.50.0-alpha`  
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**\*\*30\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-extension-jaeger-remote-sampler`  
**\*\*Version:\*\*** `1.50.0`  
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**\*\*31\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-logs` **\*\*Version:\*\*** `1.50.0`  
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**\*\*32\*\*** **\*\*Group:\*\*** `io.opentelemetry` **\*\*Name:\*\*** `opentelemetry-sdk-metrics` **\*\*Version:\*\*** `1.50.0`

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> - **POM
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**33** **Group**: `io.opentelemetry` **Name**: `opentelemetry-sdk-trace` **Version**: `1.50.0`
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**34** **Group**: `io.opentelemetry.contrib` **Name**: `opentelemetry-aws-resources` **Version**: `1.46.0-alpha`
> - **POM Project URL**: [https://github.com/open-telemetry/opentelemetry-java-contrib](https://github.com/open-telemetry/opentelemetry-java-contrib)
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**35**
**Group**: `io.opentelemetry.contrib` **Name**: `opentelemetry-aws-xray-propagator` **Version**: `1.46.0-alpha`
> - **POM Project URL**: [https://github.com/open-telemetry/opentelemetry-java-contrib](https://github.com/open-telemetry/opentelemetry-java-contrib)
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**36** **Group**: `io.opentelemetry.contrib` **Name**: `opentelemetry-azure-resources` **Version**: `1.46.0-alpha`
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**37** **Group**: `io.opentelemetry.contrib` **Name**: `opentelemetry-baggage-processor` **Version**: `1.46.0-alpha`
> - **POM Project
URL**: [https://github.com/open-telemetry/opentelemetry-java-contrib](https://github.com/open-telemetry/opentelemetry-java-contrib)
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**38** **Group**: `io.opentelemetry.contrib` **Name**: `opentelemetry-cloudfoundry-resources` **Version**: `1.46.0-alpha`
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**39** **Group:** `io.opentelemetry.contrib` **Name:** `opentelemetry-gcp-resources` **Version:** `1.46.0-alpha`
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**40** **Group:** `io.opentelemetry.semconv` **Name:** `opentelemetry-semconv` **Version:** `1.32.0`
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**41** **Group:** `io.opentelemetry.semconv` **Name:** `opentelemetry-semconv-incubating` **Version:** `1.32.0-alpha`
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**42** **Group:** `io.prometheus` **Name:** `prometheus-metrics-config` **Version:** `1.3.6`
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**43** **Group:** `io.prometheus` **Name:** `prometheus-metrics-exporter-common` **Version:** `1.3.6`
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**44** **Group:** `io.prometheus` **Name:** `prometheus-metrics-exporter-httpserver` **Version:** `1.3.6`
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**45** **Group:** `io.prometheus` **Name:** `prometheus-metrics-exposition-formats` **Version:** `1.3.6`
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**46** **Group:** `io.prometheus` **Name:** `prometheus-metrics-exposition-textformats` **Version:** `1.3.6`
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**48** **Group:** `io.zipkin.reporter2` **Name:** `zipkin-reporter` **Version:** `3.5.0`
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**49** **Group:** `io.zipkin.reporter2` **Name:** `zipkin-sender-okhttp3` **Version:** `3.5.0`
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**50** **Group:** `io.zipkin.zipkin2` **Name:** `zipkin` **Version:** `2.27.1`
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**52** **Group:** `org.jetbrains` **Name:** `annotations` **Version:** `13.0`
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**53** **Group:**
`org.jetbrains.kotlin` **Name:** `kotlin-stdlib` **Version:** `2.1.20`
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**54** **Group:** `org.jetbrains.kotlin` **Name:** `kotlin-stdlib-jdk7` **Version:** `2.1.20`
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**55** **Group:** `org.jetbrains.kotlin` **Name:** `kotlin-stdlib-jdk8` **Version:** `2.1.20`
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**57** **Group:** `org.ow2.asm` **Name:** `asm-analysis` **Version:** `9.8`
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**59** **Group:** `org.ow2.asm` **Name:** `asm-tree` **Version:** `9.8`
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**60** **Group:** `org.ow2.asm` **Name:** `asm-util` **Version:** `9.8`
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**61** **Group:** `org.snakeyaml` **Name:** `snakeyaml-engine` **Version:** `2.9`
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**62** **Group:** `org.yaml` **Name:** `snakeyaml` **Version:** `2.4`
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**63** **Group:** `org.slf4j` **Name:** `slf4j-api` **Version:** `2.0.17`
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**64** **Group:** `org.slf4j` **Name:** `slf4j-simple` **Version:** `2.0.17`
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# splunk-otel-javaagent

## Dependency License Report

\_2025-05-16 12:41:17 EEST\_

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```
**1** **Group:** `com.squareup.okhttp3` **Name:** `okhttp` **Version:** `4.12.0`  
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```

```
**2** **Group:** `com.squareup.okio` **Name:** `okio` **Version:** `3.6.0`  
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```

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**3** **Group:** `com.squareup.okio` **Name:** `okio-jvm` **Version:** `3.6.0`  
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```

```

**4** **Group:** `io.opentelemetry` **Name:** `opentelemetry-api` **Version:** `1.50.0`
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**5** **Group:** `io.opentelemetry` **Name:** `opentelemetry-context` **Version:** `1.50.0`
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**6** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-common`
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**7** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-otlp` **Version:** `1.50.0`
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**8** **Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-otlp-common` **Version:** `1.50.0`
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**9**
**Group:** `io.opentelemetry` **Name:** `opentelemetry-exporter-sender-okhttp` **Version:** `1.50.0`
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**10** **Group:** `io.opentelemetry` **Name:** `opentelemetry-sdk` **Version:** `1.50.0`
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**11** **Group:** `io.opentelemetry` **Name:** `opentelemetry-sdk-common` **Version:** `1.50.0`
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**\*\*12\*\*** **\*\*Group\*\***: `io.opentelemetry` **\*\*Name\*\***: `opentelemetry-sdk-extension-autoconfigure-spi` **\*\*Version\*\***: `1.50.0`

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**\*\*13\*\*** **\*\*Group\*\***: `io.opentelemetry` **\*\*Name\*\***: `opentelemetry-sdk-logs` **\*\*Version\*\***: `1.50.0`

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**\*\*14\*\*** **\*\*Group\*\***: `io.opentelemetry`  
**\*\*Name\*\***: `opentelemetry-sdk-metrics` **\*\*Version\*\***: `1.50.0`

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**\*\*15\*\*** **\*\*Group\*\***: `io.opentelemetry` **\*\*Name\*\***: `opentelemetry-sdk-trace` **\*\*Version\*\***: `1.50.0`

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**\*\*16\*\*** **\*\*Group\*\***: `io.opentelemetry.contrib` **\*\*Name\*\***: `opentelemetry-resource-providers` **\*\*Version\*\***: `1.45.0-alpha`

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**\*\*17\*\*** **\*\*Group\*\***: `io.opentelemetry.contrib` **\*\*Name\*\***: `opentelemetry-samplers` **\*\*Version\*\***: `1.45.0-alpha`

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**\*\*18\*\*** **\*\*Group\*\***: `io.opentelemetry.instrumentation` **\*\*Name\*\***: `opentelemetry-instrumentation-bom-alpha`  
**\*\*Version\*\***: `2.16.0-alpha`

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**\*\*19\*\*** **\*\*Group:\*\*** `org.apache.commons`

**\*\*Name:\*\*** `commons-jexl3` **\*\*Version:\*\*** `3.4.0`

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**\*\*20\*\*** **\*\*Group:\*\*** `org.jetbrains` **\*\*Name:\*\*** `annotations` **\*\*Version:\*\*** `13.0`

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**\*\*21\*\*** **\*\*Group:\*\*** `org.jetbrains.kotlin` **\*\*Name:\*\*** `kotlin-stdlib` **\*\*Version:\*\*** `1.9.10`

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**\*\*22\*\*** **\*\*Group:\*\*** `org.jetbrains.kotlin` **\*\*Name:\*\*** `kotlin-stdlib-common` **\*\*Version:\*\*** `1.9.10`

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**\*\*23\*\*** **\*\*Group:\*\*** `org.jetbrains.kotlin` **\*\*Name:\*\*** `kotlin-stdlib-jdk7` **\*\*Version:\*\*** `1.9.10`

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**26** **Group:** `org.slf4j` **Name:** `jcl-over-slf4j` **Version:** `2.0.17`
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**27** **Group:** `org.slf4j` **Name:** `slf4j-api` **Version:** `2.0.17`
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**28** **Group:** `com.google.protobuf` **Name:** `protobuf-java` **Version:** `4.29.3`
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**29** **Group:** `org.owasp.encoder` **Name:** `encoder` **Version:** `1.2.3`
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```
**30** **Group:** `org.openjdk.jmc` **Name:** `common` **Version:** `8.3.1`
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**31** **Group:** `org.openjdk.jmc` **Name:** `flightrecorder` **Version:** `8.3.1`
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## 1.200 metrics-jmx 4.2.33

### 1.200.1 Available under license :

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

Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.jmx

Build-Jdk-Spec: 17

Bundle-Description: A set of classes which allow you to report metrics via JMX.

Bundle-License: https://www.apache.org/licenses/LICENSE-2.0.html

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Integration with JMX

Bundle-SymbolicName: io.dropwizard.metrics.jmx

Bundle-Version: 4.2.33

Created-By: Apache Maven Bundle Plugin 5.1.9

Export-Package: com.codahale.metrics.jmx;uses:="com.codahale.metrics,javax.management";version="4.2.33"

Implementation-Title: Metrics Integration with JMX

Implementation-Version: 4.2.33

Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.codahale.metrics

;version="[4.2,5)",javax.management  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /metrics-jmx-4-2-33-jar/META-INF/MANIFEST.MF

# 1.201 libssl3 3.5.1-r0

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# 1.204 checker-qual 3.49.4

## 1.204.1 Available under license :

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## 1.205 ca-certificates 20250619-r0

### 1.205.1 Available under license :

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

```
#!/usr/bin/env perl
# *****
# *
# *      _ _ _ _ _
# * Project  _||| _\|
# *      / _|||_| ||
# *      |(_||| _<|_
# *      \_|\_||\_\_|
# *
# * Copyright (C) Daniel Stenberg, <daniel@haxx.se>, et al.
# *
# * This software is licensed as described in the file COPYING, which
# * you should have received as part of this distribution. The terms
# * are also available at https://curl.se/docs/copyright.html.
# *
# * You may opt to use, copy, modify, merge, publish, distribute and/or sell
# * copies of the Software, and permit persons to whom the Software is
# * furnished to do so, under the terms of the COPYING file.
# *
# * This software is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY
# *
# * KIND, either express or implied.
# *
# * SPDX-License-Identifier: curl
# *
# *****
# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
```

```
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#
```

Found in path(s):

```
* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/mk-ca-bundle.pl
```

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

```
/* c_rehash.c - Create hash symlinks for certificates
* C implementation based on the original Perl and shell versions
*
* Copyright (c) 2013-2014 Timo Teräs <timo.teras@iki.fi>
* All rights reserved.
*
* This software is licensed under the MIT License.
* Full license available at: http://opensource.org/licenses/MIT
*/
```

Found in path(s):

```
* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/c_rehash.c
```

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

```
#
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# file, You can obtain one at http://mozilla.org/MPL/2.0/.
```

Found in path(s):

```
* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/certdata.txt
```

# 1.206 ca-certificates-bundle 20250619-r0

## 1.206.1 Available under license :

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

```
#!/usr/bin/env perl
# *****
# *
# * Project      _ _ _ _ _
# *             _ _ _ _ _
# *             / _ _ _ _ _
# *             | ( _ _ _ _ _ < | _ _
# *             \ _ _ _ _ _ \ _ _ _ _
```



```

# *
# * Copyright (C) Daniel Stenberg, <daniel@haxx.se>, et al.
# *
# * This software is licensed as described in the file COPYING, which
# * you should have received as part of this distribution. The terms
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# *
# * This software is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY
#
# * KIND, either express or implied.
# *
# * SPDX-License-Identifier: curl
# *
# *****
# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#

```

Found in path(s):

```
* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/mk-ca-bundle.pl
```

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

```
/* c_rehash.c - Create hash symlinks for certificates
```

```
* C implementation based on the original Perl and shell versions
```

```
*
```

```
* Copyright (c) 2013-2014 Timo Teräs <timo.teras@iki.fi>
```

```
* All rights reserved.
```

```
*
```

```
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```

```
* Full license available at: http://opensource.org/licenses/MIT
```

```
*/
```

Found in path(s):

```
* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/c_rehash.c
```

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

```
#
```

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# file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

Found in path(s):

\* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/certdata.txt

# 1.207 alpine-base 3.22.1-r0

## 1.207.1 Available under license :

```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
buildidir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
        INSTALLDIRS=vendor \
        NO_PACKLIST=1 \
        NO_PERLLOCAL=1
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
}
```

```

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
0001-bsd-games-scores-dir.patch
"

options="!check" # no tests

build() {
# some GNU autoconf options are ignored, but it works
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr \
--sysconfdir=/etc \
--mandir=/usr/share/man \
--scoredir=/usr/share/$pkgname
make
}

package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6 0001-bsd-games-scores-dir.patch
"

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```

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

subpackages="\$pkgname-dev"

source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-\$pkgver.tar.bz2"

"

builddir="\$srcdir"/libart-lgpl-\$pkgver

```
prepare() {  
  update_config_sub  
  default_prepare  
}
```

```
build() {  
  ./configure \  
  --build=$CBUILD \  
  --host=$CHOST \  
  --prefix=/usr  
  make  
}
```

```
package() {  
  make DESTDIR="$pkgdir" install  
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7  
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
```

mini\_sendmail - accept email on behalf of real sendmail

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SUCH DAMAGE.

# Contributor: Patrycja Rosa <alpine@ptrcnull.me>

# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>

pkgname=bsd-compat-headers

pkgver=0.7.2

pkgrel=6

pkgdesc="BSD compatibility headers (cdefs, queue, tree)"

url="https://gitlab.alpinelinux.org/alpine/aports"

arch="noarch"

license="BSD-2-Clause AND BSD-3-Clause"

source="

cdefs.h

queue.h

tree.h

"

builddir="\$srcdir"

options="!check" # just headers

```

package() {
    mkdir -p "$pkgdir"
    install -Dm644 -t "$pkgdir"/usr/include/sys \
        cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"

# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.26.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname=$pkgver-r$pkgrel"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
}

```

```

mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in "$builddir"/text/*.txt;
do
local license=${i##*/}
echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done
}

sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a license-list-data-3.26.0.tar.gz
"

```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

Parts Copyright (c) 1995 by C. Blanc and C. Schlick  
The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:  
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95  
<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>  
# Contributor: Dhruvin Gandhi <contact@dhruvin>  
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>  
pkgname=py3-license-expression  
\_pkgname=license\_expression  
pkgver=30.4.1  
pkgrel=0  
pkgdesc="Library to parse, compare, simplify and normalize license expressions"

```

url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312
fda3f699cbc7c4fbd47a71e220440fb0
    license_expression-30.4.1.tar.gz
"

/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

/*
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\*

\* @(#)queue.h 8.5 (Berkeley) 8/20/94

\*/

```
#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_
```

```
/*
 * This file defines five types of data structures: singly-linked lists,
 * lists, simple queues, tail queues, and circular queues.
 *
 * A singly-linked list is headed by a single forward pointer. The
 * elements are singly linked for minimum space and
 * pointer manipulation
 * overhead at the expense of O(n) removal for arbitrary elements. New
 * elements can be added to the list after an existing element or at the
 * head of the list. Elements being removed from the head of the list
 * should use the explicit macro for this purpose for optimum
 * efficiency. A singly-linked list may only be traversed in the forward
 * direction. Singly-linked lists are ideal for applications with large
 * datasets and few or no removals or for implementing a LIFO queue.
 *
 * A list is headed by a single forward pointer (or an array of forward
 * pointers for a hash table header). The elements are doubly linked
 * so that an arbitrary element can be removed without a need to
 * traverse the list. New elements can be added to the list before
 * or after an existing element or at the head of the list. A list
 * may only be traversed in the forward direction.
 *
 * A simple queue is headed by a pair of pointers, one the head of the
 * list and the
 * other to the tail of the list. The elements are singly
 * linked to save space, so elements can only be removed from the
 * head of the list. New elements can be added to the list after
```

- \* an existing element, at the head of the list, or at the end of the
- \* list. A simple queue may only be traversed in the forward direction.
- \*
- \* A tail queue is headed by a pair of pointers, one to the head of the
- \* list and the other to the tail of the list. The elements are doubly
- \* linked so that an arbitrary element can be removed without a need to
- \* traverse the list. New elements can be added to the list before or
- \* after an existing element, at the head of the list, or at the end of
- \* the list. A tail queue may be traversed in either direction.
- \*
- \* A circle queue is headed by a pair of pointers, one to the head of the
- \* list and the other to the tail of the list. The elements are doubly
- \* linked so that an arbitrary element can be removed without a need to
- \* traverse the list. New elements
- can be added to the list before or after
- \* an existing element, at the head of the list, or at the end of the list.
- \* A circle queue may be traversed in either direction, but has a more
- \* complex end of list detection.
- \*
- \* For details on the use of these macros, see the queue(3) manual page.
- \*/

```
/*
 * Include the definition of NULL only on NetBSD because sys/null.h
 * is not available elsewhere. This conditional makes the header
 * portable and it can simply be dropped verbatim into any system.
 * The caveat is that on other systems some other header
 * must provide NULL before the macros can be used.
 */
```

```
#ifdef __NetBSD__
#include <sys/null.h>
#endif
```

```
#if defined(QUEUEDEBUG)
# if defined(_KERNEL)
# define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
# include <err.h>
# define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif
```

```
/*
 * Singly-linked List definitions.
 */
#define SLIST_HEAD(name, type) \
struct name { \
    struct type *slh_first; /* first
```

```

element */ \
}

#define SLIST_HEAD_INITIALIZER(head) \
{ NULL }

#define SLIST_ENTRY(type) \
struct { \
    struct type *sle_next; /* next element */ \
}

/*
 * Singly-linked List access methods.
 */
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head) NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field) \
for((var) = (head)->slh_first; \
    (var) != SLIST_END(head); \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = SLIST_FIRST((head)); \
    (var) != SLIST_END(head) && \
    ((tvar) = SLIST_NEXT((var), field), 1); \
    (var) = (tvar))

/*
 * Singly-linked List functions.
 */
#define SLIST_INIT(head) do { \
    (head)->slh_first = SLIST_END(head); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do { \
    (elm)->field.sle_next = (slistelm)->field.sle_next; \
    (slistelm)->field.sle_next \
    = (elm); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do { \
    (elm)->field.sle_next = (head)->slh_first; \
    (head)->slh_first = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define SLIST_REMOVE_AFTER(slistelm, field) do { \
    (slistelm)->field.sle_next = \
        SLIST_NEXT(SLIST_NEXT((slistelm), field), field); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do { \
    (head)->slh_first = (head)->slh_first->field.sle_next; \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do { \
    if ((head)->slh_first == (elm)) { \
        SLIST_REMOVE_HEAD((head), field); \
    } \
    else { \
        struct type *curelm = (head)->slh_first; \
        while(curelm->field.sle_next != (elm)) \
            curelm = curelm->field.sle_next; \
        curelm->field.sle_next = \
            curelm->field.sle_next->field.sle_next; \
    } \
} while (/*CONSTCOND*/0)

/*
 * List definitions.
 */
#define LIST_HEAD(name, type) \
struct name { \
    struct type *lh_first; /* first element */ \
}

#define LIST_HEAD_INITIALIZER(head) \
{ NULL }

#define LIST_ENTRY(type) \
struct { \
    struct type *le_next; /* next element */ \
    struct type **le_prev; /* address of previous next element */ \
}

/*
 * List access methods.
 */
#define LIST_FIRST(head) ((head)->lh_first)
#define LIST_END(head) NULL
#define LIST_EMPTY(head) ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field) ((elm)->field.le_next)

```

```

#define LIST_FOREACH(var, head, field) \
for ((var) = ((head)->lh_first); \
    (var) != LIST_END(head); \
    (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = LIST_FIRST((head)); \
    (var) != LIST_END(head) && \
    ((tvar) = LIST_NEXT((var), field), 1); \
    (var) = (tvar))

#define LIST_MOVE(head1, head2) do { \
LIST_INIT((head2)); \
if (!LIST_EMPTY((head1))) \
{ \
(head2)->lh_first = (head1)->lh_first; \
LIST_INIT((head1)); \
} \
} while (/*CONSTCOND*/0)

/*
 * List functions.
 */

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field) \
if ((head)->lh_first && \
    (head)->lh_first->field.le_prev != &(head)->lh_first) \
QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
    __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field) \
if ((elm)->field.le_next && \
    (elm)->field.le_next->field.le_prev != \
    &(elm)->field.le_next) \
QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm), \
    __FILE__, __LINE__); \
if (*(elm)->field.le_prev != (elm)) \
QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm), \
    __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field) \
(elm)->field.le_next = (void *)1L; \
(elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm, field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

```

```

#define LIST_INIT(head) do { \
    (head)->lh_first = LIST_END(head); \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do { \
    QUEUEDEBDEBUG_LIST_OP((listelm), field) \
    if (((elm)->field.le_next = (listelm)->field.le_next) != \
        LIST_END(head)) \
        (listelm)->field.le_next->field.le_prev = \
            &(elm)->field.le_next; \
    (listelm)->field.le_next = (elm); \
    (elm)->field.le_prev = &(listelm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBDEBUG_LIST_OP((listelm), field) \
    (elm)->field.le_prev = (listelm)->field.le_prev; \
    (elm)->field.le_next = (listelm); \
    *(listelm)->field.le_prev = (elm); \
    (listelm)->field.le_prev = &(elm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBDEBUG_LIST_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.le_next \
        = (head)->lh_first) != LIST_END(head)) \
        (head)->lh_first->field.le_prev = &(elm)->field.le_next; \
    (head)->lh_first = (elm); \
    (elm)->field.le_prev = &(head)->lh_first; \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do { \
    QUEUEDEBDEBUG_LIST_OP((elm), field) \
    if ((elm)->field.le_next != NULL) \
        (elm)->field.le_next->field.le_prev = \
            (elm)->field.le_prev; \
    *(elm)->field.le_prev = (elm)->field.le_next; \
    QUEUEDEBDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do { \
    if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
        (elm2)->field.le_next->field.le_prev = \
            &(elm2)->field.le_next; \
    (elm2)->field.le_prev = (elm)->field.le_prev; \
    *(elm2)->field.le_prev = (elm2); \
    QUEUEDEBDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

```

```

/*
 * Simple queue definitions.
 */
#define SIMPLEQ_HEAD(name, type)  \
struct name {                    \
    struct                        \
    type *sqh_first; /* first element */ \
    struct type **sqh_last; /* addr of last next element */ \
}

#define SIMPLEQ_HEAD_INITIALIZER(head)  \
{ NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type)  \
struct {                      \
    struct type *sqe_next; /* next element */ \
}

/*
 * Simple queue access methods.
 */
#define SIMPLEQ_FIRST(head) ((head)->sqh_first)
#define SIMPLEQ_END(head) NULL
#define SIMPLEQ_EMPTY(head) ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head);  \
     (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)  \
for ((var) = ((head)->sqh_first);  \
     (var) != SIMPLEQ_END(head) &&  \
     ((next = ((var)->field.sqe_next)), 1);  \
     (var) = (next))

/*
 * Simple queue functions.
 */
#define SIMPLEQ_INIT(head) do {  \
    (head)->sqh_first = NULL;  \
    (head)->sqh_last  \
    = &(head)->sqh_first;  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {  \

```

```

if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
    (head)->sqh_last = &(elm)->field.sqe_next; \
    (head)->sqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.sqe_next = NULL; \
    *(head)->sqh_last = (elm); \
    (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
        (listelm)->field.sqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do { \
    if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
        (head)->sqh_last = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do { \
    if \
        (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
         == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do { \
    if ((head)->sqh_first == (elm)) { \
        SIMPLEQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->sqh_first; \
        while (curelm->field.sqe_next != (elm)) \
            curelm = curelm->field.sqe_next; \
        if ((curelm->field.sqe_next = \
            curelm->field.sqe_next->field.sqe_next) == NULL) \
            (head)->sqh_last = &(curelm)->field.sqe_next; \
    } \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do { \
    if (!SIMPLEQ_EMPTY((head2))) { \
        *(head1)->sqh_last = (head2)->sqh_first; \
        (head1)->sqh_last = (head2)->sqh_last; \
        SIMPLEQ_INIT((head2)); \
    } \
}

```



```

} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field) \
(SIMPLEQ_EMPTY((head)) ? \
    NULL : \
    ((struct type \
    *) (void *) \
    ((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
 * Tail queue definitions.
 */
#define _TAILQ_HEAD(name, type, qual) \
struct name { \
    qual type *tqh_first; /* first element */ \
    qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head) \
{ TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual) \
struct { \
    qual type *tqe_next; /* next element */ \
    qual type *qual *tqe_prev; /* address of previous next element */ \
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
 * Tail queue access methods.
 */
#define TAILQ_FIRST(head) ((head)->tqh_first)
#define TAILQ_END(head) (NULL)
#define TAILQ_NEXT(elm, field) ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
    (((struct headname *) (void *)((head)->tqh_last))->tqh_last)
#define TAILQ_PREV(elm, headname, field) \
    (((struct headname \
    *) (void *)((elm)->field.tqe_prev))->tqh_last)
#define TAILQ_EMPTY(head) (TAILQ_FIRST(head) == TAILQ_END(head))

#define TAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head); \
    (var) = ((var)->field.tqe_next))

```

```

#define TAILQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->tqh_first); \
     (var) != TAILQ_END(head) && \
     ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field) \
for ((var) = TAILQ_LAST((head), headname); \
     (var) != TAILQ_END(head); \
     (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
for ((var) = TAILQ_LAST((head), headname); \
     (var) != TAILQ_END(head) && \
     ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
 * Tail queue functions.
 */
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, \
elm, field) \
if ((head)->tqh_first && \
     (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
    QUEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field) \
if (*(head)->tqh_last != NULL) \
    QUEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_OP(elm, field) \
if ((elm)->field.tqe_next && \
     (elm)->field.tqe_next->field.tqe_prev != \
     &(elm)->field.tqe_next) \
    QUEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.tqe_prev != (elm)) \
    QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field) \
if ((elm)->field.tqe_next == NULL && \
     (head)->tqh_last != &(elm)->field.tqe_next) \
    QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d", \
        (head), (elm), __FILE__, \
        __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field) \
(elm)->field.tqe_next = (void *)1L; \
(elm)->field.tqe_prev = (void *)1L;
#else

```

```

#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do { \
    (head)->tqh_first = TAILQ_END(head); \
    (head)->tqh_last = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head)) \
        (head)->tqh_first->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
    (head)->tqh_first = (elm); \
    (elm)->field.tqe_prev = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head, \
    elm, field) do { \
    QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field) \
    (elm)->field.tqe_next = TAILQ_END(head); \
    (elm)->field.tqe_prev = (head)->tqh_last; \
    *(head)->tqh_last = (elm); \
    (head)->tqh_last = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    if (((elm)->field.tqe_next = (listelm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
    (listelm)->field.tqe_next = (elm); \
    (elm)->field.tqe_prev = &(listelm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_TAILQ_OP((listelm), field) \
    (elm)->field.tqe_prev = (listelm)->field.tqe_prev; \
    (elm)->field.tqe_next = (listelm); \
} while (/*CONSTCOND*/0)

```

```

*(listelm)->field.tqe_prev = (elm); \
(listelm)->field.tqe_prev
= &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do { \
    QUEUEDEBUG_TAILQ_PREREMOVE((head), (elm), field) \
    QUEUEDEBUG_TAILQ_OP((elm), field) \
    if (((elm)->field.tqe_next) != TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            (elm)->field.tqe_prev; \
    else \
        (head)->tqh_last = (elm)->field.tqe_prev; \
    *(elm)->field.tqe_prev = (elm)->field.tqe_next; \
    QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field); \
} while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do { \
    if (((elm2)->field.tqe_next = (elm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm2)->field.tqe_next->field.tqe_prev = \
            &(elm2)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm2)->field.tqe_next; \
    (elm2)->field.tqe_prev = (elm)->field.tqe_prev; \
    *(elm2)->field.tqe_prev = (elm2); \
    QUEUEDEBUG_TAILQ_POSTREMOVE((elm), \
        field); \
} while (/*CONSTCOND*/0)

#define TAILQ_CONCAT(head1, head2, field) do { \
    if (!TAILQ_EMPTY(head2)) { \
        *(head1)->tqh_last = (head2)->tqh_first; \
        (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
        (head1)->tqh_last = (head2)->tqh_last; \
        TAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

/*
 * Singly-linked Tail queue declarations.
 */
#define STAILQ_HEAD(name, type) \
struct name { \
    struct type *stqh_first; /* first element */ \
    struct type **stqh_last; /* addr of last next element */ \
}

```

```

#define STAILQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).stqh_first }

#define STAILQ_ENTRY(type) \
struct { \
    struct type *stqe_next; /* next element */ \
}

/*
 * Singly-linked Tail queue access methods.
 */
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head) \
    == STAILQ_END(head))

/*
 * Singly-linked Tail queue functions.
 */
#define STAILQ_INIT(head) do { \
    (head)->stqh_first = NULL; \
    (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (head)->stqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.stqe_next = NULL; \
    *(head)->stqh_last = (elm); \
    (head)->stqh_last = &(elm)->field.stqe_next; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (listelm)->field.stqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do { \
    if (((head)->stqh_first = (head)->stqh_first->field.stqe_next) \
        == NULL) \
        (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

```

```
#define STAILQ_REMOVE(head, elm, type, field) do { \
    if ((head)->stqh_first == (elm)) { \
        STAILQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->stqh_first; \
        while (curelm->field.stqe_next != (elm)) \
            curelm = curelm->field.stqe_next; \
        if ((curelm->field.stqe_next = \
            curelm->field.stqe_next->field.stqe_next) == NULL) \
            (head)->stqh_last = &(curelm)->field.stqe_next; \
    } \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_FOREACH(var, head, field) \
    for ((var) = ((head)->stqh_first); \
        (var); \
        (var) = ((var)->field.stqe_next))
```

```
#define STAILQ_FOREACH_SAFE(var, head, field, tvar) \
    for ((var) = STAILQ_FIRST((head)); \
        (var) && ((tvar) = STAILQ_NEXT((var), field), 1); \
        (var) = (tvar))
```

```
#define STAILQ_CONCAT(head1, head2) do { \
    if (!STAILQ_EMPTY((head2))) { \
        *(head1)->stqh_last \
        = (head2)->stqh_first; \
        (head1)->stqh_last = (head2)->stqh_last; \
        STAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_LAST(head, type, field) \
    (STAILQ_EMPTY((head)) ? \
    NULL : \
    ((struct type *) (void *) \
    ((char *) ((head)->stqh_last) - offsetof(struct type, field))))
```

```
#ifndef _KERNEL
```

```
/*
```

```
* Circular queue definitions. Do not use. We still keep the macros
* for compatibility but because of pointer aliasing issues their use
* is discouraged!
```

```
*/
```

```
/*
```

\* \_\_launder\_type(): We use this ugly hack to work around the the compiler  
 \* noticing that two types may not alias each other and elide tests in code.  
 \* We hit this in the CIRCLEQ macros when comparing 'struct name \*' and  
 \* 'struct type \*' (see CIRCLEQ\_HEAD()). Modern compilers (such as GCC  
 \* 4.8) declare these comparisons as always false, causing the code to  
 \* not run as designed.  
 \*  
 \* This hack is only to be used for comparisons and thus can be fully const.  
 \* Do not use for assignment.  
 \*  
 \* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix  
 \* this by changing the head/tail sentinel values, but see the note above  
 \* this one.  
 \*/

```
static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
    __asm __volatile("" : "+r" (__x));
    return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field) \
    if ((head)->cqh_first != CIRCLEQ_ENDC(head) && \
        (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
            __FILE__, __LINE__); \
    if ((head)->cqh_last != CIRCLEQ_ENDC(head) && \
        (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
        QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
            __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_last != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ \
elm last %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_first != (elm)) \
            QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
```

```

if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
    QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
        (elm), __FILE__, __LINE__); \
}
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field) \
    (elm)->field.cqe_next = (void *)1L; \
    (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type) \
    struct name { \
        struct type *cqh_first; /* \
        first element */ \
        struct type *cqh_last; /* last element */ \
    }

#define CIRCLEQ_HEAD_INITIALIZER(head) \
    { CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type) \
    struct { \
        struct type *cqe_next; /* next element */ \
        struct type *cqe_prev; /* previous element */ \
    }

/*
 * Circular queue functions.
 */
#define CIRCLEQ_INIT(head) do { \
    (head)->cqh_first = CIRCLEQ_END(head); \
    (head)->cqh_last = CIRCLEQ_END(head); \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm)->field.cqe_next; \
    (elm)->field.cqe_prev = (listelm); \
    if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (listelm)->field.cqe_next->field.cqe_prev = (elm); \
    (listelm)->field.cqe_next = (elm); \
} while (/*CONSTCOND*/0)

```



```
#define CIRCLEQ_INSERT_BEFORE(head,
listelm, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBDEBUG_CIRCLEQ_ELM((head), (listelm), field) \
    (elm)->field.cqe_next = (listelm); \
    (elm)->field.cqe_prev = (listelm)->field.cqe_prev; \
    if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (listelm)->field.cqe_prev->field.cqe_next = (elm); \
    (listelm)->field.cqe_prev = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define CIRCLEQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next = (head)->cqh_first; \
    (elm)->field.cqe_prev = CIRCLEQ_END(head); \
    if ((head)->cqh_last == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (head)->cqh_first->field.cqe_prev = (elm); \
    (head)->cqh_first = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define CIRCLEQ_INSERT_TAIL(head, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next \
    = CIRCLEQ_END(head); \
    (elm)->field.cqe_prev = (head)->cqh_last; \
    if ((head)->cqh_first == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (head)->cqh_last->field.cqe_next = (elm); \
    (head)->cqh_last = (elm); \
} while (/*CONSTCOND*/0)
```

```
#define CIRCLEQ_REMOVE(head, elm, field) do { \
    QUEUEDEBDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBDEBUG_CIRCLEQ_ELM((head), (elm), field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm)->field.cqe_prev; \
    else \
        (elm)->field.cqe_next->field.cqe_prev = \
            (elm)->field.cqe_prev; \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm)->field.cqe_next; \
    else \

```

```

(elm)->field.cqe_prev->field.cqe_next = \
    (elm)->field.cqe_next; \
QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_FOREACH(var, head, field) \
for ((var) = ((head)->cqh_first); \
    (var) != CIRCLEQ_ENDC(head); \
    (var) \
    = ((var)->field.cqe_next))

#define CIRCLEQ_FOREACH_REVERSE(var, head, field) \
for ((var) = ((head)->cqh_last); \
    (var) != CIRCLEQ_ENDC(head); \
    (var) = ((var)->field.cqe_prev))

/*
 * Circular queue access methods.
 */

#define CIRCLEQ_FIRST(head) ((head)->cqh_first)
#define CIRCLEQ_LAST(head) ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head) (__launter_type(head))
/* For assignments */
#define CIRCLEQ_END(head) ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head) \
    (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field) \
    (((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
    ? ((head)->cqh_first) \
    : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field) \
    (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
    ? ((head)->cqh_last) \
    : \
    (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3

```

```

pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"          # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

package() {
    gpep517 install-wheel --destdir "$pkgdir" \
        .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
    flake8-copyright-0.2.4.tar.gz
"

# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

build() {

```

```

cargo auditable build --release --frozen
}

check() {
    cargo test --frozen
}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5 cargo-license-0.6.1.tar.gz
"

/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
/*
* Copyright 2002 Niels Provos <provos@citi.umich.edu>
* All rights reserved.
*
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* modification, are permitted provided that the following conditions
* are met:
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*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
*    notice, this list of conditions and the following disclaimer in the
*    documentation and/or other materials provided with the distribution.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR
* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
* IN NO EVENT SHALL THE
* AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__

```

```

#define __GNUC_PREREQ__(x, y) \
    ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) || \
    (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
 * This file defines data structures for different types of trees:
 * splay trees and red-black trees.
 *
 * A splay tree is a self-organizing
 * data structure. Every operation
 * on the tree causes a splay to happen. The splay moves the requested
 * node to the root of the tree and partly rebalances it.
 *
 * This has the benefit that request locality causes faster lookups as
 * the requested nodes move to the top of the tree. On the other hand,
 * every lookup causes memory writes.
 *
 * The Balance Theorem bounds the total access time for m operations
 * and n inserts on an initially empty tree as  $O((m + n)\lg n)$ . The
 * amortized cost for a sequence of m accesses to a splay tree is  $O(\lg n)$ ;
 *
 * A red-black tree is a binary search tree with the node color as an
 * extra attribute. It fulfills a set of conditions:
 * - every search path from the root to a leaf consists of the
 *   same number of black nodes,
 * - each red node (except for the root) has a black parent,
 * - each leaf node is black.
 *
 * Every operation on a red-black tree is bounded as  $O(\lg n)$ .
 * The maximum height of a red-black tree is  $2\lg(n+1)$ .
 */

#define SPLAY_HEAD(name, type) \
    struct name { \
        struct type *sph_root; /* root of the tree */ \
    }

#define SPLAY_INITIALIZER(root) \
    { NULL }

```

```

#define SPLAY_INIT(root) do { \
    (root)->sph_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type) \
struct { \
    struct type *spe_left; /* left element */ \
    struct type *spe_right; /* right element */ \
}

#define SPLAY_LEFT(elm, field) (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field) (elm)->field.spe_right
#define SPLAY_ROOT(head) (head)->sph_root
#define SPLAY_EMPTY(head) (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do { \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do { \
    SPLAY_RIGHT((head)->sph_root, \
    field) = SPLAY_LEFT(tmp, field); \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do { \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_LEFT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do { \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do { \
    SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
    SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field); \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
    SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

```

```

/* Generates prototypes and inline functions */

#define
    SPLAY_PROTOTYPE(name, type, field, cmp) \
    void name##_SPLAY(struct name *, struct type *); \
    void name##_SPLAY_MINMAX(struct name *, int); \
    struct type *name##_SPLAY_INSERT(struct name *, struct type *); \
    struct type *name##_SPLAY_REMOVE(struct name *, struct type *); \
    \

/* Finds the node with the same key as elm */ \
static __inline struct type * \
name##_SPLAY_FIND(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) \
        return(NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head->sph_root) == 0) \
        return (head->sph_root); \
    return (NULL); \
} \

static __inline _sys_tree_h_unused struct type * \
name##_SPLAY_NEXT(struct name *head, struct type *elm) \
{ \
    name##_SPLAY(head, elm); \
    if (SPLAY_RIGHT(elm, field) != NULL) { \
        elm = SPLAY_RIGHT(elm, field); \
        while (SPLAY_LEFT(elm, field) != NULL) { \
            elm = SPLAY_LEFT(elm, field); \
        } \
    } \
    else \
        elm = NULL; \
    return (elm); \
} \

static _sys_tree_h_unused __inline struct type * \
name##_SPLAY_MIN_MAX(struct name *head, int val) \
{ \
    name##_SPLAY_MINMAX(head, val); \
    return (SPLAY_ROOT(head)); \
}

/* Main splay operation.
 * Moves node close to the key of elm to top
 */
#define SPLAY_GENERATE(name, type, field, cmp) \

```

```

struct type *      \
name##_SPLAY_INSERT(struct name *head, struct type *elm) \
{      \
    if (SPLAY_EMPTY(head)) {      \
        SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
    } else {      \
        int __comp;      \
        name##_SPLAY(head, elm);      \
        __comp = (cmp)(elm, (head)->sph_root); \
        if(__comp < 0) {      \
            SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
            SPLAY_RIGHT(elm, field) = (head)->sph_root; \
            SPLAY_LEFT((head)->sph_root, field) = NULL; \
        } else if (__comp > 0) {      \
            SPLAY_RIGHT(elm,
field) = SPLAY_RIGHT((head)->sph_root, field);\
            SPLAY_LEFT(elm, field) = (head)->sph_root; \
            SPLAY_RIGHT((head)->sph_root, field) = NULL; \
        } else      \
            return ((head)->sph_root); \
    }      \
    (head)->sph_root = (elm);      \
    return (NULL);      \
}      \
\
struct type *      \
name##_SPLAY_REMOVE(struct name *head, struct type *elm) \
{      \
    struct type *__tmp;      \
    if (SPLAY_EMPTY(head))      \
        return (NULL);      \
    name##_SPLAY(head, elm);      \
    if ((cmp)(elm, (head)->sph_root) == 0) {      \
        if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
            (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
        } else {      \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
            name##_SPLAY(head, elm);      \
            SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
        }      \
        return (elm);      \
    }      \
    return (NULL);      \
}      \
\
void      \
name##_SPLAY(struct

```



```

name *head, struct type *elm) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    int __comp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if ((cmp)(elm, __tmp) < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field); \
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKLEFT(head, __right, field); \
        } else if (__comp > 0) { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if ((cmp)(elm, __tmp) > 0){ \
                SPLAY_ROTATE_LEFT(head, __tmp, field); \
                if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKRIGHT(head, __left, field); \
        } \
    } \
    SPLAY_ASSEMBLE(head, \
    &__node, __left, __right, field); \
} \
    \
/* Splay with either the minimum or the maximum element \
* Used to find minimum or maximum element in tree. \
*/ \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while (1) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \

```

```

if (__tmp == NULL) \
    break; \
if (__comp < 0){ \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
        break; \
} \
SPLAY_LINKLEFT(head, __right, field); \
} else if (__comp > 0) { \
    __tmp = SPLAY_RIGHT((head)->sph_root, field); \
    if (__tmp == NULL) \
        break; \
    if (__comp > 0) { \
        SPLAY_ROTATE_LEFT(head, __tmp, field); \
        if (SPLAY_RIGHT((head)->sph_root,
field) == NULL)\
            break; \
    } \
    SPLAY_LINKRIGHT(head, __left, field); \
} \
} \
SPLAY_ASSEMBLE(head, &__node, __left, __right, field); \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y) name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y) name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head) \
    for ((x) = SPLAY_MIN(name, head); \
        (x) != NULL; \
        (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type) \
struct name { \
    struct type *rbh_root; /* root of the tree */ \
}

#define RB_INITIALIZER(root) \

```

```

{
NULL }

#define RB_INIT(root) do { \
    (root)->rbh_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED 1
#define RB_ENTRY(type) \
struct { \
    struct type *rbe_left; /* left element */ \
    struct type *rbe_right; /* right element */ \
    struct type *rbe_parent; /* parent element */ \
    int rbe_color; /* node color */ \
}

#define RB_LEFT(elm, field) (elm)->field.rbe_left
#define RB_RIGHT(elm, field) (elm)->field.rbe_right
#define RB_PARENT(elm, field) (elm)->field.rbe_parent
#define RB_COLOR(elm, field) (elm)->field.rbe_color
#define RB_ROOT(head) (head)->rbh_root
#define RB_EMPTY(head) (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do { \
    RB_PARENT(elm, field) = parent; \
    RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL; \
    RB_COLOR(elm, field) = RB_RED; \
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do { \
    RB_COLOR(black, field) = RB_BLACK; \
    RB_COLOR(red, field) \
    = RB_RED; \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do { \
    (tmp) = RB_RIGHT(elm, field); \
    if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
        RB_PARENT(RB_LEFT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \

```

```

    RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
else \
    RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
} else \
    (head)->rbh_root = (tmp); \
    RB_LEFT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do { \
    (tmp) = RB_LEFT(elm, field); \
    if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field)) \
        != NULL) { \
        RB_PARENT(RB_RIGHT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_RIGHT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr) \
    attr void name##_RB_INSERT_COLOR(struct name *, struct \
        type *); \
    attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *); \
    attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
    attr struct type *name##_RB_INSERT(struct name *, struct type *); \
    attr struct type *name##_RB_FIND(struct name *, struct type *); \
    attr struct type *name##_RB_NFIND(struct name *, struct type *); \
    attr struct type *name##_RB_NEXT(struct type *); \
    attr struct type *name##_RB_PREV(struct type *); \

```

```

attr struct type *name##_RB_MINMAX(struct name *, int); \
\

/* Main rb operation.
* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp) \
RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp) \
RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr) \
attr void \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm) \
{ \
struct type \
*parent, *gparent, *tmp; \
while ((parent = RB_PARENT(elm, field)) != NULL && \
RB_COLOR(parent, field) == RB_RED) { \
gparent = RB_PARENT(parent, field); \
if (parent == RB_LEFT(gparent, field)) { \
tmp = RB_RIGHT(gparent, field); \
if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
RB_COLOR(tmp, field) = RB_BLACK; \
RB_SET_BLACKRED(parent, gparent, field);\
elm = gparent; \
continue; \
} \
if (RB_RIGHT(parent, field) == elm) { \
RB_ROTATE_LEFT(head, parent, tmp, field);\
tmp = parent; \
parent = elm; \
elm = tmp; \
} \
RB_SET_BLACKRED(parent, gparent, field); \
RB_ROTATE_RIGHT(head, gparent, tmp, field); \
} else { \
tmp = RB_LEFT(gparent, field); \
if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
RB_COLOR(tmp, field) = RB_BLACK; \
RB_SET_BLACKRED(parent, gparent, field);\
elm = gparent; \
continue; \
} \
if (RB_LEFT(parent, field) == elm) \
{ \
RB_ROTATE_RIGHT(head, parent, tmp, field);\
tmp = parent; \
parent = elm; \
} \
} \
}

```

```

    elm = tmp; \
} \
RB_SET_BLACKRED(parent, gparent, field); \
RB_ROTATE_LEFT(head, gparent, tmp, field); \
} \
} \
RB_COLOR(head->rbh_root, field) = RB_BLACK; \
} \
\
attr void \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{ \
    struct type *tmp; \
    while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
        elm != RB_ROOT(head)) { \
        if (RB_LEFT(parent, field) == elm) { \
            tmp = RB_RIGHT(parent, field); \
            if (RB_COLOR(tmp, field) == RB_RED) { \
                RB_SET_BLACKRED(tmp, parent, field); \
                RB_ROTATE_LEFT(head, parent, tmp, field); \
                tmp = RB_RIGHT(parent, field); \
            } \
            if ((RB_LEFT(tmp, field) == NULL || \
                RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) && \
                (RB_RIGHT(tmp, field) == NULL || \
                RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) { \
                RB_COLOR(tmp, field) = RB_RED; \
                elm = parent; \
                parent = RB_PARENT(elm, field); \
            } else { \
                if (RB_RIGHT(tmp, field) == NULL || \
                    RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) { \
                    struct type *oleft; \
                    if ((oleft = RB_LEFT(tmp, field)) \
                        != NULL) \
                        RB_COLOR(oleft, field) = RB_BLACK; \
                    RB_COLOR(tmp, field) = RB_RED; \
                    RB_ROTATE_RIGHT(head, tmp, oleft, field); \
                    tmp = RB_RIGHT(parent, field); \
                } \
                RB_COLOR(tmp, field) = RB_COLOR(parent, field); \
                RB_COLOR(parent, field) = RB_BLACK; \
                if (RB_RIGHT(tmp, field)) \
                    RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK; \
                RB_ROTATE_LEFT(head, parent, tmp, field); \
                elm = RB_ROOT(head); \
                break; \
            }

```

```

    } \
} else { \
    tmp = RB_LEFT(parent, field); \
    if (RB_COLOR(tmp, field) == RB_RED) { \
        RB_SET_BLACKRED(tmp, parent, field); \
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        tmp
= RB_LEFT(parent, field); \
    } \
    if ((RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
        (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
        RB_COLOR(tmp, field) = RB_RED; \
        elm = parent; \
        parent = RB_PARENT(elm, field); \
    } else { \
        if (RB_LEFT(tmp, field) == NULL || \
            RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
            struct type *oright; \
            if ((oright = RB_RIGHT(tmp, field)) \
                != NULL) \
                RB_COLOR(oright, field) = RB_BLACK;\
            RB_COLOR(tmp, field) = RB_RED; \
            RB_ROTATE_LEFT(head, tmp, oright, field);\
            tmp = RB_LEFT(parent, field); \
        } \
        RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
        RB_COLOR(parent, field) = RB_BLACK; \
        if (RB_LEFT(tmp, field)) \
            RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        elm = RB_ROOT(head); \
        break; \
    } \
} \
} \
if
(elm) \
    RB_COLOR(elm, field) = RB_BLACK; \
} \
\
attr struct type * \
name##_RB_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *child, *parent, *old = elm; \
    int color; \
    if (RB_LEFT(elm, field) == NULL) \

```

```

child = RB_RIGHT(elm, field); \
else if (RB_RIGHT(elm, field) == NULL) \
child = RB_LEFT(elm, field); \
else { \
struct type *left; \
elm = RB_RIGHT(elm, field); \
while ((left = RB_LEFT(elm, field)) != NULL) \
elm = left; \
child = RB_RIGHT(elm, field); \
parent = RB_PARENT(elm, field); \
color = RB_COLOR(elm, field); \
if (child) \
RB_PARENT(child, field) = parent; \
if (parent) { \
if (RB_LEFT(parent, field) == elm) \
RB_LEFT(parent, field) = child; \
else \
RB_RIGHT(parent, field) = child; \
RB_AUGMENT(parent); \
} else \
RB_ROOT(head)
= child; \
if (RB_PARENT(elm, field) == old) \
parent = elm; \
(elm)->field = (old)->field; \
if (RB_PARENT(old, field)) { \
if (RB_LEFT(RB_PARENT(old, field), field) == old)\
RB_LEFT(RB_PARENT(old, field), field) = elm;\
else \
RB_RIGHT(RB_PARENT(old, field), field) = elm;\
RB_AUGMENT(RB_PARENT(old, field)); \
} else \
RB_ROOT(head) = elm; \
RB_PARENT(RB_LEFT(old, field), field) = elm; \
if (RB_RIGHT(old, field)) \
RB_PARENT(RB_RIGHT(old, field), field) = elm; \
if (parent) { \
left = parent; \
do { \
RB_AUGMENT(left); \
} while ((left = RB_PARENT(left, field)) != NULL); \
} \
goto color; \
} \
parent = RB_PARENT(elm, field); \
color = RB_COLOR(elm, field); \
if (child) \
RB_PARENT(child, field) = parent; \

```



```

if (parent) {
    if (RB_LEFT(parent, field) == elm)
        RB_LEFT(parent, field) = child;
    else
        RB_RIGHT(parent,
field) = child;
    RB_AUGMENT(parent);
} else
    RB_ROOT(head) = child;
color:
if (color == RB_BLACK)
    name##_RB_REMOVE_COLOR(head, parent, child);
return (old);
}

/* Inserts a node into the RB tree */
attr struct type
name##_RB_INSERT(struct name *head, struct type *elm)
{
    struct type *tmp;
    struct type *parent = NULL;
    int comp = 0;
    tmp = RB_ROOT(head);
    while (tmp) {
        parent = tmp;
        comp = (cmp)(elm, parent);
        if (comp < 0)
            tmp = RB_LEFT(tmp, field);
        else if (comp > 0)
            tmp = RB_RIGHT(tmp, field);
        else
            return (tmp);
    }
    RB_SET(elm, parent, field);
    if (parent != NULL) {
        if (comp < 0)
            RB_LEFT(parent, field) = elm;
        else
            RB_RIGHT(parent, field) = elm;
        RB_AUGMENT(parent);
    } else
        RB_ROOT(head) = elm;
    name##_RB_INSERT_COLOR(head,
elm);
    return (NULL);
}

/* Finds the node with the same key as elm */

```

```

attr struct type * \
name##_RB_FIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (NULL); \
} \

/* Finds the first node greater than or equal to the search key */ \
attr struct type * \
name##_RB_NFIND(struct name *head, struct type *elm) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *res = NULL; \
    int comp; \
    while (tmp) { \
        comp = cmp(elm, tmp); \
        if (comp < 0) { \
            res = tmp; \
            tmp = RB_LEFT(tmp, field); \
        } \
        else if (comp > 0) \
            tmp = \
RB_RIGHT(tmp, field); \
        else \
            return (tmp); \
    } \
    return (res); \
} \

/* ARGSUSED */ \
attr struct type * \
name##_RB_NEXT(struct type *elm) \
{ \
    if (RB_RIGHT(elm, field)) { \
        elm = RB_RIGHT(elm, field); \
        while (RB_LEFT(elm, field)) \
            elm = RB_LEFT(elm, field); \
    } else { \

```

```

if (RB_PARENT(elm, field) && \
    (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
    elm = RB_PARENT(elm, field); \
else { \
    while (RB_PARENT(elm, field) && \
        (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
        elm = RB_PARENT(elm, field); \
    elm = RB_PARENT(elm, field); \
} \
} \
return (elm); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_PREV(struct type *elm) \
{ \
    if (RB_LEFT(elm, field)) { \
        elm = RB_LEFT(elm, field); \
        while (RB_RIGHT(elm, field)) \
            elm = RB_RIGHT(elm, field); \
    } \
    else { \
        if (RB_PARENT(elm, field) && \
            (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        else { \
            while (RB_PARENT(elm, field) && \
                (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
                elm = RB_PARENT(elm, field); \
            elm = RB_PARENT(elm, field); \
        } \
    } \
    return (elm); \
} \
\
attr struct type * \
name##_RB_MINMAX(struct name *head, int val) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *parent = NULL; \
    while (tmp) { \
        parent = tmp; \
        if (val < 0) \
            tmp = RB_LEFT(tmp, field); \
        else \
            tmp = RB_RIGHT(tmp, field); \
    } \
} \

```

```

return (parent);    \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x) name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x) name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head)    \
for ((x) = RB_MIN(name, head);    \
(x) != NULL;    \
(x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y)    \
for ((x) = (y);    \
((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y)    \
for ((x) = RB_MIN(name, head);    \
((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_REVERSE(x, name, head)    \
for ((x) = RB_MAX(name, head);    \
(x) != NULL;    \
(x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y)    \
for ((x) = (y);    \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
head, y)    \
for ((x) = RB_MAX(name, head);    \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#endif /* _SYS_TREE_H_ */

```

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## 1.209 alpine-release 3.22.1-r0

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#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
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depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
buildidir="$srcdir/${_pkgreal}-$pkgver"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
    INSTALLDIRS=vendor \
    NO_PACKLIST=1 \
    NO_PERLLOCAL=1
```



```

make
}

check() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make test
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
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```

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# Contributor: Maxim Karasev <begs@disroot.org>

# Maintainer: mio <miyopan@e.email>

pkgname=bsd-games

pkgver=3.3

pkgrel=2

pkgdesc="traditional text mode games from BSD"

url="https://bsd-games.sourceforge.io/"

arch="all"

license="BSD-3-Clause"

```

install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
0001-bsd-games-scores-dir.patch
"
options="!check" # no tests

build() {
# some GNU autoconf options are ignored, but it works
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr \
--sysconfdir=/etc \
--mandir=/usr/share/man \
--scoredir=/usr/share/$pkgname
make
}

package() {
make DESTDIR="$pkgdir" install
install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6 0001-bsd-games-scores-dir.patch
"
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```

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mini\_sendmail - accept email on behalf of real sendmail

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

subpackages="\$pkgname-dev"

source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-\$pkgver.tar.bz2"

"

builddir="\$srcdir"/libart-lgpl-\$pkgver

prepare() {

```

update_config_sub
default_prepare
}

build() {
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr
make
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.26.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
mkdir -p "$pkgdir"
}

_subpkg() {
local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname=$pkgver-r$pkgrel"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/

```

```

}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt;
    do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a license-list-data-3.26.0.tar.gz
"

# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
cdefs.h
queue.h
tree.h
"

builddir="$srcdir"
options="!check" # just headers

package() {
    mkdir -p "$pkgdir"
    install -Dm644 -t "$pkgdir"/usr/include/sys \
        cdefs.h queue.h tree.h
}

sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"

```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:  
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95  
<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>  
# Contributor: Dhruvin Gandhi <contact@dhruvin>  
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>  
pkgname=py3-license-expression  
\_pkgname=license\_expression  
pkgver=30.4.1  
pkgrel=0  
pkgdesc="Library to parse, compare, simplify and normalize license expressions"  
url="https://github.com/nexB/license-expression"  
arch="noarch"  
license="Apache-2.0"  
depends="python3 py3-boolean.py"  
makedepends="py3-setuptools py3-setuptools\_scm py3-gpep517 py3-wheel"  
checkdepends="py3-pytest py3-pytest-xdist"  
subpackages="\$pkgname-pyc"  
source="https://files.pythonhosted.org/packages/source/l/\_pkgname/\_pkgname-\$pkgver.tar.gz"  
builddir="\$srcdir/\$pkgname-\$pkgver"

```
build() {  
    gpep517 build-wheel \  
        --wheel-dir .dist \  
        --output-fd 3 3>&1 >&2  
}
```

```

}

check() {
python3 -m venv --clear --without-pip --system-site-packages .testenv
.testenv/bin/python3 -m installer .dist/*.whl
.testenv/bin/python3 -m pytest
}

package() {
python3 -m installer -d "$pkgdir" \
.dists/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312
fda3f699cbc7c4fbd47a71e220440fb0
license_expression-30.4.1.tar.gz
"

/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

/*
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```

```

*
* @(#)queue.h 8.5 (Berkeley) 8/20/94
*/

#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_

/*
 * This file defines five types of data structures: singly-linked lists,
 * lists, simple queues, tail queues, and circular queues.
 *
 * A singly-linked list is headed by a single forward pointer. The
 * elements are singly linked for minimum space and
 * pointer manipulation
 * overhead at the expense of O(n) removal for arbitrary elements. New
 * elements can be added to the list after an existing element or at the
 * head of the list. Elements being removed from the head of the list
 * should use the explicit macro for this purpose for optimum
 * efficiency. A singly-linked list may only be traversed in the forward
 * direction. Singly-linked lists are ideal for applications with large
 * datasets and few or no removals or for implementing a LIFO queue.
 *
 * A list is headed by a single forward pointer (or an array of forward
 * pointers for a hash table header). The elements are doubly linked
 * so that an arbitrary element can be removed without a need to
 * traverse the list. New elements can be added to the list before
 * or after an existing element or at the head of the list. A list
 * may only be traversed in the forward direction.
 *
 * A simple queue is headed by a pair of pointers, one the head of the
 * list and the
 * other to the tail of the list. The elements are singly
 * linked to save space, so elements can only be removed from the
 * head of the list. New elements can be added to the list after
 * an existing element, at the head of the list, or at the end of the
 * list. A simple queue may only be traversed in the forward direction.
 *
 * A tail queue is headed by a pair of pointers, one to the head of the
 * list and the other to the tail of the list. The elements are doubly
 * linked so that an arbitrary element can be removed without a need to
 * traverse the list. New elements can be added to the list before or
 * after an existing element, at the head of the list, or at the end of
 * the list. A tail queue may be traversed in either direction.
 *
 * A circle queue is headed by a pair of pointers, one to the head of the
 * list and the other to the tail of the list. The elements are doubly
 * linked so that an arbitrary element can be removed without a need to
 * traverse the list. New elements

```



```

can be added to the list before or after
* an existing element, at the head of the list, or at the end of the list.
* A circle queue may be traversed in either direction, but has a more
* complex end of list detection.
*
* For details on the use of these macros, see the queue(3) manual page.
*/

```

```

/*
* Include the definition of NULL only on NetBSD because sys/null.h
* is not available elsewhere. This conditional makes the header
* portable and it can simply be dropped verbatim into any system.
* The caveat is that on other systems some other header
* must provide NULL before the macros can be used.
*/
#ifdef __NetBSD__
#include <sys/null.h>
#endif

```

```

#if defined(QEUEDEBUG)
# if defined(_KERNEL)
#  define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
#  include <err.h>
#  define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

```

```

/*
* Singly-linked List definitions.
*/
#define SLIST_HEAD(name, type) \
struct name { \
    struct type *slh_first; /* first \
    element */ \
}

#define SLIST_HEAD_INITIALIZER(head) \
{ NULL }

#define SLIST_ENTRY(type) \
struct { \
    struct type *sle_next; /* next element */ \
}

/*
* Singly-linked List access methods.
*/

```

```

#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head) NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field) \
for((var) = (head)->slh_first; \
    (var) != SLIST_END(head); \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = SLIST_FIRST((head)); \
    (var) != SLIST_END(head) && \
    ((tvar) = SLIST_NEXT((var), field), 1); \
    (var) = (tvar))

/*
 * Singly-linked List functions.
 */
#define SLIST_INIT(head) do { \
    (head)->slh_first = SLIST_END(head); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do { \
    (elm)->field.sle_next = (slistelm)->field.sle_next; \
    (slistelm)->field.sle_next \
    = (elm); \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do { \
    (elm)->field.sle_next = (head)->slh_first; \
    (head)->slh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_AFTER(slistelm, field) do { \
    (slistelm)->field.sle_next = \
        SLIST_NEXT(SLIST_NEXT((slistelm), field), field); \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do { \
    (head)->slh_first = (head)->slh_first->field.sle_next; \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do { \
    if ((head)->slh_first == (elm)) { \
        SLIST_REMOVE_HEAD((head), field); \
    } \
    else { \

```

```

struct type *curelm = (head)->slh_first; \
while(curelm->field.sle_next != (elm)) \
    curelm = curelm->field.sle_next; \
curelm->field.sle_next = \
    curelm->field.sle_next->field.sle_next; \
} \
} while (/*CONSTCOND*/0)

/*
 * List definitions.
 */
#define LIST_HEAD(name, type) \
struct name { \
    struct type *lh_first; /* first element */ \
}

#define LIST_HEAD_INITIALIZER(head) \
{ NULL }

#define LIST_ENTRY(type) \
struct { \
    struct type *le_next; /* next element */ \
    struct type **le_prev; /* address of previous next element */ \
}

/*
 * List access methods.
 */
#define LIST_FIRST(head) ((head)->lh_first)
#define LIST_END(head) NULL
#define LIST_EMPTY(head) ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field) ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field) \
for ((var) = ((head)->lh_first); \
    (var) != LIST_END(head); \
    (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = LIST_FIRST((head)); \
    (var) != LIST_END(head) && \
    ((tvar) = LIST_NEXT((var), field), 1); \
    (var) = (tvar))

#define LIST_MOVE(head1, head2) do { \
    LIST_INIT((head2)); \
    if (!LIST_EMPTY((head1)))

```

```

{    \
(head2)->lh_first = (head1)->lh_first; \
LIST_INIT((head1)); \
}    \
} while (/*CONSTCOND*/0)

/*
 * List functions.
 */
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field) \
if ((head)->lh_first && \
    (head)->lh_first->field.le_prev != &(head)->lh_first) \
    QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field) \
if ((elm)->field.le_next && \
    (elm)->field.le_next->field.le_prev != \
    &(elm)->field.le_next) \
    QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.le_prev != (elm)) \
    QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field) \
(elm)->field.le_next = (void *)1L; \
(elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm,
    field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do { \
    (head)->lh_first = LIST_END(head); \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    if (((elm)->field.le_next = (listelm)->field.le_next) != \
        LIST_END(head)) \
        (listelm)->field.le_next->field.le_prev = \
            &(elm)->field.le_next; \
    (listelm)->field.le_next = (elm); \
    (elm)->field.le_prev = &(listelm)->field.le_next; \
} while (/*CONSTCOND*/0)

```

```

#define LIST_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBUG_LIST_OP((listelm), field) \
    (elm)->field.le_prev = (listelm)->field.le_prev; \
    (elm)->field.le_next = (listelm); \
    *(listelm)->field.le_prev = (elm); \
    (listelm)->field.le_prev = &(elm)->field.le_next; \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field) \
    if (((elm)->field.le_next \
    = (head)->lh_first) != LIST_END(head)) \
    (head)->lh_first->field.le_prev = &(elm)->field.le_next; \
    (head)->lh_first = (elm); \
    (elm)->field.le_prev = &(head)->lh_first; \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do { \
    QUEUEDEBUG_LIST_OP((elm), field) \
    if ((elm)->field.le_next != NULL) \
    (elm)->field.le_next->field.le_prev = \
    (elm)->field.le_prev; \
    *(elm)->field.le_prev = (elm)->field.le_next; \
    QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do { \
    if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
    (elm2)->field.le_next->field.le_prev = \
    &(elm2)->field.le_next; \
    (elm2)->field.le_prev = (elm)->field.le_prev; \
    *(elm2)->field.le_prev = (elm2); \
    QUEUEDEBUG_LIST_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

/*
 * Simple queue definitions.
 */
#define SIMPLEQ_HEAD(name, type) \
struct name { \
    struct \
    type *sqh_first; /* first element */ \
    struct type **sqh_last; /* addr of last next element */ \
}

#define SIMPLEQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).sqh_first }

```

```

#define SIMPLEQ_ENTRY(type) \
struct { \
    struct type *sqe_next; /* next element */ \
}

/*
 * Simple queue access methods.
 */

#define SIMPLEQ_FIRST(head) ((head)->sqh_first)
#define SIMPLEQ_END(head) NULL
#define SIMPLEQ_EMPTY(head) ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field) \
for ((var) = ((head)->sqh_first); \
     (var) != SIMPLEQ_END(head); \
     (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->sqh_first); \
     (var) != SIMPLEQ_END(head) && \
     ((next = ((var)->field.sqe_next)), 1); \
     (var) = (next))

/*
 * Simple queue functions.
 */

#define SIMPLEQ_INIT(head) do { \
    (head)->sqh_first = NULL; \
    (head)->sqh_last \
    = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
    (head)->sqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.sqe_next = NULL; \
    *(head)->sqh_last = (elm); \
    (head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL) \
        (head)->sqh_last = &(elm)->field.sqe_next; \
}

```

```

(listelm)->field.sqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do { \
if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
(head)->sqh_last = &(head)->sqh_first; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do { \
if \
(((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
== NULL) \
(head)->sqh_last = &(elm)->field.sqe_next; \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do { \
if ((head)->sqh_first == (elm)) { \
SIMPLEQ_REMOVE_HEAD((head), field); \
} else { \
struct type *curelm = (head)->sqh_first; \
while (curelm->field.sqe_next != (elm)) \
curelm = curelm->field.sqe_next; \
if ((curelm->field.sqe_next = \
curelm->field.sqe_next->field.sqe_next) == NULL) \
(head)->sqh_last = &(curelm)->field.sqe_next; \
} \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do { \
if (!SIMPLEQ_EMPTY((head2))) { \
*(head1)->sqh_last = (head2)->sqh_first; \
(head1)->sqh_last = (head2)->sqh_last; \
SIMPLEQ_INIT((head2)); \
} \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field) \
(SIMPLEQ_EMPTY((head)) ? \
NULL : \
((struct type \
*)(void *) \
((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
* Tail queue definitions.
*/

#define _TAILQ_HEAD(name, type, qual) \
struct name { \

```

```

qual type *tqh_first; /* first element */ \
qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head) \
{ TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual) \
struct { \
    qual type *tqe_next; /* next element */ \
    qual type *qual *tqe_prev; /* address of previous next element */ \
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
 * Tail queue access methods.
 */
#define TAILQ_FIRST(head) ((head)->tqh_first)
#define TAILQ_END(head) (NULL)
#define TAILQ_NEXT(elm, field) ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
    (((struct headname *) (void *) ((head)->tqh_last))->tqh_last)
#define TAILQ_PREV(elm, headname, field) \
    (((struct headname *) (void *) ((elm)->field.tqe_prev))->tqh_last)
#define TAILQ_EMPTY(head) (TAILQ_FIRST(head) == TAILQ_END(head))

#define TAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head); \
    (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next) \
for ((var) = ((head)->tqh_first); \
    (var) != TAILQ_END(head) && \
    ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field) \
for ((var) = TAILQ_LAST((head), headname); \
    (var) != TAILQ_END(head); \
    (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
for ((var) = TAILQ_LAST((head), headname); \
    (var) != TAILQ_END(head) && \
    ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

```



```

/*
* Tail queue functions.
*/

#if defined(QEUEDEBBUG)
#define QEUEDEBBUG_TAILQ_INSERT_HEAD(head,
elm, field) \
if ((head)->tqh_first && \
    (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
    QEUEDEBBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QEUEDEBBUG_TAILQ_INSERT_TAIL(head, elm, field) \
if (*(head)->tqh_last != NULL) \
    QEUEDEBBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
        __FILE__, __LINE__);
#define QEUEDEBBUG_TAILQ_OP(elm, field) \
if ((elm)->field.tqe_next && \
    (elm)->field.tqe_next->field.tqe_prev != \
    &(elm)->field.tqe_next) \
    QEUEDEBBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
        __FILE__, __LINE__); \
if (*(elm)->field.tqe_prev != (elm)) \
    QEUEDEBBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
        __FILE__, __LINE__);
#define QEUEDEBBUG_TAILQ_PREREMOVE(head, elm, field) \
if ((elm)->field.tqe_next == NULL && \
    (head)->tqh_last != &(elm)->field.tqe_next) \
    QEUEDEBBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d", \
        (head), (elm), __FILE__, \
        __LINE__);
#define QEUEDEBBUG_TAILQ_POSTREMOVE(elm, field) \
(elm)->field.tqe_next = (void *)1L; \
(elm)->field.tqe_prev = (void *)1L;
#else
#define QEUEDEBBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QEUEDEBBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QEUEDEBBUG_TAILQ_OP(elm, field)
#define QEUEDEBBUG_TAILQ_PREREMOVE(head, elm, field)
#define QEUEDEBBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do { \
    (head)->tqh_first = TAILQ_END(head); \
    (head)->tqh_last = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do { \
    QEUEDEBBUG_TAILQ_INSERT_HEAD((head), (elm), field) \

```

```

if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head))\
    (head)->tqh_first->field.tqe_prev = \
        &(elm)->field.tqe_next; \
else \
    (head)->tqh_last = &(elm)->field.tqe_next; \
    (head)->tqh_first = (elm); \
    (elm)->field.tqe_prev = &(head)->tqh_first; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_INSERT_TAIL(head,
elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_INSERT_TAIL((head), (elm), field) \
    (elm)->field.tqe_next = TAILQ_END(head); \
    (elm)->field.tqe_prev = (head)->tqh_last; \
    *(head)->tqh_last = (elm); \
    (head)->tqh_last = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_OP((listelm), field) \
    if (((elm)->field.tqe_next = (listelm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            &(elm)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm)->field.tqe_next; \
        (listelm)->field.tqe_next = (elm); \
        (elm)->field.tqe_prev = &(listelm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_OP((listelm), field) \
    (elm)->field.tqe_prev = (listelm)->field.tqe_prev; \
    (elm)->field.tqe_next = (listelm); \
    *(listelm)->field.tqe_prev = (elm); \
    (listelm)->field.tqe_prev \
        = &(elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_REMOVE(head, elm, field) do { \
    QUEUEDEBDEBUG_TAILQ_PREREMOVE((head), (elm), field) \
    QUEUEDEBDEBUG_TAILQ_OP((elm), field) \
    if (((elm)->field.tqe_next) != TAILQ_END(head)) \
        (elm)->field.tqe_next->field.tqe_prev = \
            (elm)->field.tqe_prev; \
    else \
        (head)->tqh_last = (elm)->field.tqe_prev; \
    *(elm)->field.tqe_prev = (elm)->field.tqe_next; \
} while (/*CONSTCOND*/0)

```

```

QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field); \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_REPLACE(head, elm, elm2, field) do { \
    if (((elm2)->field.tqe_next = (elm)->field.tqe_next) != \
        TAILQ_END(head)) \
        (elm2)->field.tqe_next->field.tqe_prev = \
            &(elm2)->field.tqe_next; \
    else \
        (head)->tqh_last = &(elm2)->field.tqe_next; \
        (elm2)->field.tqe_prev = (elm)->field.tqe_prev; \
        *(elm2)->field.tqe_prev = (elm2); \
    QUEUEDEBUG_TAILQ_POSTREMOVE((elm), \
        field); \
} while (/*CONSTCOND*/0)

```

```

#define TAILQ_CONCAT(head1, head2, field) do { \
    if (!TAILQ_EMPTY(head2)) { \
        *(head1)->tqh_last = (head2)->tqh_first; \
        (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
        (head1)->tqh_last = (head2)->tqh_last; \
        TAILQ_INIT((head2)); \
    } \
} while (/*CONSTCOND*/0)

```

/\*

\* Singly-linked Tail queue declarations.

\*/

```

#define STAILQ_HEAD(name, type) \
struct name { \
    struct type *stqh_first; /* first element */ \
    struct type **stqh_last; /* addr of last next element */ \
}

```

```

#define STAILQ_HEAD_INITIALIZER(head) \
{ NULL, &(head).stqh_first }

```

```

#define STAILQ_ENTRY(type) \
struct { \
    struct type *stqe_next; /* next element */ \
}

```

/\*

\* Singly-linked Tail queue access methods.

\*/

```

#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)

```

```

#define STAILQ_EMPTY(head) (STAILQ_FIRST(head)
== STAILQ_END(head))

/*
 * Singly-linked Tail queue functions.
 */
#define STAILQ_INIT(head) do { \
    (head)->stqh_first = NULL; \
    (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do { \
    if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (head)->stqh_first = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do { \
    (elm)->field.stqe_next = NULL; \
    *(head)->stqh_last = (elm); \
    (head)->stqh_last = &(elm)->field.stqe_next; \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do { \
    if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL) \
        (head)->stqh_last = &(elm)->field.stqe_next; \
    (listelm)->field.stqe_next = (elm); \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do { \
    if (((head)->stqh_first = (head)->stqh_first->field.stqe_next) \
        == NULL) \
        (head)->stqh_last = &(head)->stqh_first; \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE(head, elm, type, field) do { \
    if ((head)->stqh_first == (elm)) { \
        STAILQ_REMOVE_HEAD((head), field); \
    } else { \
        struct type *curelm = (head)->stqh_first; \
        while (curelm->field.stqe_next != (elm)) \
            curelm = curelm->field.stqe_next; \
        if ((curelm->field.stqe_next = \
            curelm->field.stqe_next->field.stqe_next) == NULL) \
            (head)->stqh_last = &(curelm)->field.stqe_next; \
    } \
} while (/*CONSTCOND*/0)

```

```

#define STAILQ_FOREACH(var, head, field) \
for ((var) = ((head)->stqh_first); \
     (var); \
     (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar) \
for ((var) = STAILQ_FIRST((head)); \
     (var) && ((tvar) = STAILQ_NEXT((var), field), 1); \
     (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do { \
if (!STAILQ_EMPTY((head2))) { \
    *(head1)->stqh_last \
    = (head2)->stqh_first; \
    (head1)->stqh_last = (head2)->stqh_last; \
    STAILQ_INIT((head2)); \
} \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field) \
(STAILQ_EMPTY((head)) ? \
    NULL : \
    ((struct type *) (void *) \
    ((char *)((head)->stqh_last) - offsetof(struct type, field))))

#ifdef _KERNEL
/*
 * Circular queue definitions. Do not use. We still keep the macros
 * for compatibility but because of pointer aliasing issues their use
 * is discouraged!
 */

/*
 * __launder_type(): We use this ugly hack to work around the the compiler
 * noticing that two types may not alias each other and elide tests in code.
 * We hit this in the CIRCLEQ macros when comparing 'struct name *' and
 * 'struct type *' (see CIRCLEQ_HEAD()). Modern compilers (such as GCC
 * 4.8) declare these comparisons as always false, causing the code to
 * not run as designed.
 *
 * This hack is only to be used for comparisons and thus can be fully const.
 * Do not use for assignment.
 *
 * If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
 * this by changing the head/tail sentinel values, but see the note above
 * this one.
 */

```

```

static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
    __asm __volatile("" : "+r" (__x));
    return __x;
}

#if defined(QEUEDEDEBUG)
#define QEUEDEDEBUG_CIRCLEQ_HEAD(head, field) \
    if ((head)->cqh_first != CIRCLEQ_ENDC(head) && \
        (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
        QEUEDEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
            __FILE__, __LINE__); \
    if ((head)->cqh_last != CIRCLEQ_ENDC(head) && \
        (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
        QEUEDEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
            __FILE__, __LINE__);
#define QEUEDEDEBUG_CIRCLEQ_ELM(head, elm, field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_last != (elm)) \
            QEUEDEDEBUG_ABORT("CIRCLEQ \
elm last %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
            QEUEDEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) { \
        if ((head)->cqh_first != (elm)) \
            QEUEDEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    } else { \
        if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
            QEUEDEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
                (elm), __FILE__, __LINE__); \
    }
#define QEUEDEDEBUG_CIRCLEQ_POSTREMOVE(elm, field) \
    (elm)->field.cqe_next = (void *)1L; \
    (elm)->field.cqe_prev = (void *)1L;
#else
#define QEUEDEDEBUG_CIRCLEQ_HEAD(head, field)
#define QEUEDEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QEUEDEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type) \

```

```

struct name {
    struct type *cqh_first; /*
    first element */
    struct type *cqh_last; /* last element */
}

#define CIRCLEQ_HEAD_INITIALIZER(head)
{ CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type)
struct {
    struct type *cqe_next; /* next element */
    struct type *cqe_prev; /* previous element */
}

/*
 * Circular queue functions.
 */
#define CIRCLEQ_INIT(head) do {
    (head)->cqh_first = CIRCLEQ_END(head);
    (head)->cqh_last = CIRCLEQ_END(head);
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do {
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field)
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)
    (elm)->field.cqe_next = (listelm)->field.cqe_next;
    (elm)->field.cqe_prev = (listelm);
    if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head))
        (head)->cqh_last = (elm);
    else
        (listelm)->field.cqe_next->field.cqe_prev = (elm);
    (listelm)->field.cqe_next = (elm);
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_BEFORE(head,
listelm, elm, field) do {
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field)
    QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)
    (elm)->field.cqe_next = (listelm);
    (elm)->field.cqe_prev = (listelm)->field.cqe_prev;
    if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head))
        (head)->cqh_first = (elm);
    else
        (listelm)->field.cqe_prev->field.cqe_next = (elm);
    (listelm)->field.cqe_prev = (elm);
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next = (head)->cqh_first; \
    (elm)->field.cqe_prev = CIRCLEQ_END(head); \
    if ((head)->cqh_last == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm); \
    else \
        (head)->cqh_first->field.cqe_prev = (elm); \
    (head)->cqh_first = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    (elm)->field.cqe_next \
    = CIRCLEQ_END(head); \
    (elm)->field.cqe_prev = (head)->cqh_last; \
    if ((head)->cqh_first == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm); \
    else \
        (head)->cqh_last->field.cqe_next = (elm); \
    (head)->cqh_last = (elm); \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_REMOVE(head, elm, field) do { \
    QUEUEDEBUG_CIRCLEQ_HEAD((head), field) \
    QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field) \
    if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
        (head)->cqh_last = (elm)->field.cqe_prev; \
    else \
        (elm)->field.cqe_next->field.cqe_prev = \
            (elm)->field.cqe_prev; \
    if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
        (head)->cqh_first = (elm)->field.cqe_next; \
    else \
        (elm)->field.cqe_prev->field.cqe_next = \
            (elm)->field.cqe_next; \
    QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field) \
} while (/*CONSTCOND*/0)

```

```

#define CIRCLEQ_FOREACH(var, head, field) \
    for ((var) = ((head)->cqh_first); \
        (var) != CIRCLEQ_ENDC(head); \
        (var) \
        = ((var)->field.cqe_next))

```

```

#define CIRCLEQ_FOREACH_REVERSE(var, head, field) \
    for ((var) = ((head)->cqh_last); \
        (var) != CIRCLEQ_ENDC(head); \

```



```

(var) = ((var)->field.cqe_prev))

/*
 * Circular queue access methods.
 */
#define CIRCLEQ_FIRST(head) ((head)->cqh_first)
#define CIRCLEQ_LAST(head) ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head) (__launter_type(head))
/* For assignments */
#define CIRCLEQ_END(head) ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head) \
    (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field) \
    (((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) \
     ? ((head)->cqh_first) \
     : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field) \
    (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) \
     ? ((head)->cqh_last) \
     : \
     (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS

```

```

#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct) fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

package() {
    gpep517 install-wheel --destdir "$pkgdir" \
        .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
flake8-copyright-0.2.4.tar.gz
"

```

```

# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
    default_prepare

    cargo fetch --target="$CTARGET" --locked
}

build() {
    cargo auditable build --release --frozen
}

check() {
    cargo test --frozen
}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"

/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
/*
* Copyright 2002 Niels Provos <provos@citi.umich.edu>
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*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
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* 2. Redistributions in binary form must reproduce the above copyright
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```

```

*
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* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

```

```

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y) \
  ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) || \
   (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

```

```

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

```

```

/*
* This file defines data structures for different types of trees:
* splay trees and red-black trees.
*
* A splay tree is a self-organizing
  data structure. Every operation
* on the tree causes a splay to happen. The splay moves the requested
* node to the root of the tree and partly rebalances it.
*
* This has the benefit that request locality causes faster lookups as
* the requested nodes move to the top of the tree. On the other hand,
* every lookup causes memory writes.
*
* The Balance Theorem bounds the total access time for m operations
* and n inserts on an initially empty tree as  $O((m + n) \lg n)$ . The
* amortized cost for a sequence of m accesses to a splay tree is  $O(\lg n)$ ;
*

```

```

* A red-black tree is a binary search tree with the node color as an
* extra attribute. It fulfills a set of conditions:
* - every search path from the root to a leaf consists of the
*   same number of black nodes,
* - each red node (except for the root) has a black parent,
* - each leaf node is black.
*
* Every operation on a red-black tree is bounded as  $O(\lg n)$ .
* The maximum height of a red-black tree is  $2\lg(n+1)$ .
*/

#define SPLAY_HEAD(name, type) \
struct name { \
    struct type *sph_root; /* root of the tree */ \
}

#define SPLAY_INITIALIZER(root) \
{ NULL }

#define SPLAY_INIT(root) do { \
    (root)->sph_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type) \
struct { \
    struct type *spe_left; /* left element */ \
    struct type *spe_right; /* right element */ \
}

#define SPLAY_LEFT(elm, field) (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field) (elm)->field.spe_right
#define SPLAY_ROOT(head) (head)->sph_root
#define SPLAY_EMPTY(head) (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do { \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do { \
    SPLAY_RIGHT((head)->sph_root, \
    field) = SPLAY_LEFT(tmp, field); \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    (head)->sph_root = tmp; \
} while (/*CONSTCOND*/ 0)

```

```

#define SPLAY_LINKLEFT(head, tmp, field) do { \
    SPLAY_LEFT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_LEFT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do { \
    SPLAY_RIGHT(tmp, field) = (head)->sph_root; \
    tmp = (head)->sph_root; \
    (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do { \
    SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
    SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field); \
    SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
    SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
    SPLAY_PROTOTYPE(name, type, field, cmp) \
void name##_SPLAY(struct name *, struct type *); \
void name##_SPLAY_MINMAX(struct name *, int); \
struct type *name##_SPLAY_INSERT(struct name *, struct type *); \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *); \
\
/* Finds the node with the same key as elm */ \
static __inline struct type * \
name##_SPLAY_FIND(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) \
        return(NULL); \
    name##_SPLAY(head, elm); \
    if ((cmp)(elm, (head)->sph_root) == 0) \
        return (head->sph_root); \
    return (NULL); \
} \
\
static __inline _sys_tree_h_unused struct type * \
name##_SPLAY_NEXT(struct name *head, struct type *elm) \
{ \
    name##_SPLAY(head, elm); \
    if (SPLAY_RIGHT(elm, field) != NULL) { \
        elm = SPLAY_RIGHT(elm, field); \
        while (SPLAY_LEFT(elm, field) != NULL) { \
            elm = SPLAY_LEFT(elm, field); \

```

```

    } \
}
else \
    elm = NULL; \
return (elm); \
} \
\
static __sys_tree_h_unused __inline struct type * \
name##_SPLAY_MIN_MAX(struct name *head, int val) \
{ \
    name##_SPLAY_MINMAX(head, val); \
    return (SPLAY_ROOT(head)); \
}

/* Main splay operation.
 * Moves node close to the key of elm to top
 */
#define SPLAY_GENERATE(name, type, field, cmp) \
struct type * \
name##_SPLAY_INSERT(struct name *head, struct type *elm) \
{ \
    if (SPLAY_EMPTY(head)) { \
        SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
    } else { \
        int __comp; \
        name##_SPLAY(head, elm); \
        __comp = (cmp)(elm, (head)->sph_root); \
        if (__comp < 0) { \
            SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field); \
            SPLAY_RIGHT(elm, field) = (head)->sph_root; \
            SPLAY_LEFT((head)->sph_root, field) = NULL; \
        } else if (__comp > 0) { \
            SPLAY_RIGHT(elm, \
field) = SPLAY_RIGHT((head)->sph_root, field); \
            SPLAY_LEFT(elm, field) = (head)->sph_root; \
            SPLAY_RIGHT((head)->sph_root, field) = NULL; \
        } else \
            return ((head)->sph_root); \
    } \
    (head)->sph_root = (elm); \
    return (NULL); \
} \
\
struct type * \
name##_SPLAY_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *__tmp; \
    if (SPLAY_EMPTY(head)) \

```

```

return (NULL);    \
name##_SPLAY(head, elm);    \
if ((cmp)(elm, (head)->sph_root) == 0) {    \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL) {    \
        (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
    } else {    \
        __tmp = SPLAY_RIGHT((head)->sph_root, field);    \
        (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
        name##_SPLAY(head, elm);    \
        SPLAY_RIGHT((head)->sph_root, field) = __tmp;    \
    }    \
    return (elm);    \
}    \
return (NULL);    \
}    \
    \
void    \
name##_SPLAY(struct
name *head, struct type *elm)    \
{    \
    struct type __node, *__left, *__right, *__tmp;    \
    int __comp;    \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node;    \
    \
    while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) {    \
        if (__comp < 0) {    \
            __tmp = SPLAY_LEFT((head)->sph_root, field);    \
            if (__tmp == NULL)    \
                break;    \
            if ((cmp)(elm, __tmp) < 0){    \
                SPLAY_ROTATE_RIGHT(head, __tmp, field);\
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break;    \
            }    \
            SPLAY_LINKLEFT(head, __right, field);    \
        } else if (__comp > 0) {    \
            __tmp = SPLAY_RIGHT((head)->sph_root, field);    \
            if (__tmp == NULL)    \
                break;    \
            if ((cmp)(elm, __tmp) > 0){    \
                SPLAY_ROTATE_LEFT(head, __tmp, field);\
                if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
                    break;    \
            }    \
            SPLAY_LINKRIGHT(head, __left, field);    \
        }    \
    }

```



```

} \
SPLAY_ASSEMBLE(head,
&__node, __left, __right, field); \
} \
\
/* Splay with either the minimum or the maximum element \
* Used to find minimum or maximum element in tree. \
*/ \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{ \
    struct type __node, *__left, *__right, *__tmp; \
    \
    SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
    __left = __right = &__node; \
    \
    while (1) { \
        if (__comp < 0) { \
            __tmp = SPLAY_LEFT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if (__comp < 0){ \
                SPLAY_ROTATE_RIGHT(head, __tmp, field); \
                if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
                    break; \
            } \
            SPLAY_LINKLEFT(head, __right, field); \
        } else if (__comp > 0) { \
            __tmp = SPLAY_RIGHT((head)->sph_root, field); \
            if (__tmp == NULL) \
                break; \
            if (__comp > 0) { \
                SPLAY_ROTATE_LEFT(head, __tmp, field); \
                if (SPLAY_RIGHT((head)->sph_root,
field) == NULL)\
                    break; \
            } \
            SPLAY_LINKRIGHT(head, __left, field); \
        } \
    } \
    SPLAY_ASSEMBLE(head, &__node, __left, __right, field); \
}

```

```

#define SPLAY_NEGINF -1

```

```

#define SPLAY_INF 1

```

```

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)

```

```

#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)

```

```

#define SPLAY_FIND(name, x, y) name##_SPLAY_FIND(x, y)

```

```

#define SPLAY_NEXT(name, x, y) name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x) (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head) \
    for ((x) = SPLAY_MIN(name, head); \
        (x) != NULL; \
        (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type) \
    struct name { \
        struct type *rbh_root; /* root of the tree */ \
    }

#define RB_INITIALIZER(root) \
    { \
        NULL \
    }

#define RB_INIT(root) do { \
    (root)->rbh_root = NULL; \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED 1
#define RB_ENTRY(type) \
    struct { \
        struct type *rbe_left; /* left element */ \
        struct type *rbe_right; /* right element */ \
        struct type *rbe_parent; /* parent element */ \
        int rbe_color; /* node color */ \
    }

#define RB_LEFT(elm, field) (elm)->field.rbe_left
#define RB_RIGHT(elm, field) (elm)->field.rbe_right
#define RB_PARENT(elm, field) (elm)->field.rbe_parent
#define RB_COLOR(elm, field) (elm)->field.rbe_color
#define RB_ROOT(head) (head)->rbh_root
#define RB_EMPTY(head) (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do { \
    RB_PARENT(elm, field) = parent; \
    RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL; \
    RB_COLOR(elm, field) = RB_RED; \
} while (/*CONSTCOND*/ 0)

```

```

#define RB_SET_BLACKRED(black, red, field) do { \
    RB_COLOR(black, field) = RB_BLACK; \
    RB_COLOR(red, field) \
    = RB_RED; \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do { \
    (tmp) = RB_RIGHT(elm, field); \
    if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
        RB_PARENT(RB_LEFT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_LEFT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \
        RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do { \
    (tmp) = RB_LEFT(elm, field); \
    if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field)) \
        != NULL) { \
        RB_PARENT(RB_RIGHT(tmp, field), field) = (elm); \
    } \
    RB_AUGMENT(elm); \
    if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
        if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
            RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
        else \
            RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
    } else \
        (head)->rbh_root = (tmp); \
    RB_RIGHT(tmp, field) = (elm); \
    RB_PARENT(elm, field) = (tmp); \
    RB_AUGMENT(tmp); \
    if ((RB_PARENT(tmp, field))) \

```

```

    RB_AUGMENT(RB_PARENT(tmp, field)); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp) \
    RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr) \
    attr void name##_RB_INSERT_COLOR(struct name *, struct \
        type *); \
    attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *);\
    attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
    attr struct type *name##_RB_INSERT(struct name *, struct type *); \
    attr struct type *name##_RB_FIND(struct name *, struct type *); \
    attr struct type *name##_RB_NFIND(struct name *, struct type *); \
    attr struct type *name##_RB_NEXT(struct type *); \
    attr struct type *name##_RB_PREV(struct type *); \
    attr struct type *name##_RB_MINMAX(struct name *, int); \
    \

/* Main rb operation.
 * Moves node close to the key of elm to top
 */
#define RB_GENERATE(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp) \
    RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr) \
    attr void \
    name##_RB_INSERT_COLOR(struct name *head, struct type *elm) \
    { \
        struct type \
        *parent, *gparent, *tmp; \
        while ((parent = RB_PARENT(elm, field)) != NULL && \
            RB_COLOR(parent, field) == RB_RED) { \
            gparent = RB_PARENT(parent, field); \
            if (parent == RB_LEFT(gparent, field)) { \
                tmp = RB_RIGHT(gparent, field); \
                if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
                    RB_COLOR(tmp, field) = RB_BLACK; \
                    RB_SET_BLACKRED(parent, gparent, field);\
                    elm = gparent; \
                    continue; \
                } \
            } \
            if (RB_RIGHT(parent, field) == elm) { \
                RB_ROTATE_LEFT(head, parent, tmp, field);\
                tmp = parent; \

```

```

    parent = elm; \
    elm = tmp; \
} \
RB_SET_BLACKRED(parent, gparent, field); \
RB_ROTATE_RIGHT(head, gparent, tmp, field); \
} else { \
    tmp = RB_LEFT(gparent, field); \
    if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
        RB_COLOR(tmp, field) = RB_BLACK; \
        RB_SET_BLACKRED(parent, gparent, field); \
        elm = gparent; \
        continue; \
    } \
    if (RB_LEFT(parent, field) == elm)
{ \
    RB_ROTATE_RIGHT(head, parent, tmp, field); \
    tmp = parent; \
    parent = elm; \
    elm = tmp; \
} \
    RB_SET_BLACKRED(parent, gparent, field); \
    RB_ROTATE_LEFT(head, gparent, tmp, field); \
} \
} \
RB_COLOR(head->rbh_root, field) = RB_BLACK; \
} \
\
attr void \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{ \
    struct type *tmp; \
    while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
        elm != RB_ROOT(head)) { \
        if (RB_LEFT(parent, field) == elm) { \
            tmp = RB_RIGHT(parent, field); \
            if (RB_COLOR(tmp, field) == RB_RED) { \
                RB_SET_BLACKRED(tmp, parent, field); \
                RB_ROTATE_LEFT(head, parent, tmp, field); \
                tmp = RB_RIGHT(parent, field); \
            } \
            if ((RB_LEFT(tmp, field) == NULL || \
                RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) && \
                (RB_RIGHT(tmp, field) == NULL || \
                RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) { \
                RB_COLOR(tmp, field) = RB_RED; \
                elm = parent; \
                parent = RB_PARENT(elm, field); \

```

```

} else { \
if (RB_RIGHT(tmp, field) == NULL || \
    RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
    struct type *oleft; \
    if ((oleft = RB_LEFT(tmp, field)) \
        != NULL) \
        RB_COLOR(oleft, field) = RB_BLACK;\
    RB_COLOR(tmp, field) = RB_RED; \
    RB_ROTATE_RIGHT(head, tmp, oleft, field);\
    tmp = RB_RIGHT(parent, field); \
} \
RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
RB_COLOR(parent, field) = RB_BLACK; \
if (RB_RIGHT(tmp, field)) \
    RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
RB_ROTATE_LEFT(head, parent, tmp, field);\
elm = RB_ROOT(head); \
break; \
} \
} else { \
    tmp = RB_LEFT(parent, field); \
    if (RB_COLOR(tmp, field) == RB_RED) { \
        RB_SET_BLACKRED(tmp, parent, field); \
        RB_ROTATE_RIGHT(head, parent, tmp, field);\
        tmp
= RB_LEFT(parent, field); \
    } \
    if ((RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
        (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
        RB_COLOR(tmp, field) = RB_RED; \
        elm = parent; \
        parent = RB_PARENT(elm, field); \
    } else { \
        if (RB_LEFT(tmp, field) == NULL || \
            RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
            struct type *oright; \
            if ((oright = RB_RIGHT(tmp, field)) \
                != NULL) \
                RB_COLOR(oright, field) = RB_BLACK;\
            RB_COLOR(tmp, field) = RB_RED; \
            RB_ROTATE_LEFT(head, tmp, oright, field);\
            tmp = RB_LEFT(parent, field); \
        } \
        RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
        RB_COLOR(parent, field) = RB_BLACK; \
        if (RB_LEFT(tmp, field)) \

```

```

    RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    elm = RB_ROOT(head); \
    break; \
} \
} \
} \
if
(elm) \
    RB_COLOR(elm, field) = RB_BLACK; \
} \
\
attr struct type * \
name##_RB_REMOVE(struct name *head, struct type *elm) \
{ \
    struct type *child, *parent, *old = elm; \
    int color; \
    if (RB_LEFT(elm, field) == NULL) \
        child = RB_RIGHT(elm, field); \
    else if (RB_RIGHT(elm, field) == NULL) \
        child = RB_LEFT(elm, field); \
    else { \
        struct type *left; \
        elm = RB_RIGHT(elm, field); \
        while ((left = RB_LEFT(elm, field)) != NULL) \
            elm = left; \
        child = RB_RIGHT(elm, field); \
        parent = RB_PARENT(elm, field); \
        color = RB_COLOR(elm, field); \
        if (child) \
            RB_PARENT(child, field) = parent; \
        if (parent) { \
            if (RB_LEFT(parent, field) == elm) \
                RB_LEFT(parent, field) = child; \
            else \
                RB_RIGHT(parent, field) = child; \
            RB_AUGMENT(parent); \
        } else \
            RB_ROOT(head)
    = child; \
    if (RB_PARENT(elm, field) == old) \
        parent = elm; \
    (elm)->field = (old)->field; \
    if (RB_PARENT(old, field)) { \
        if (RB_LEFT(RB_PARENT(old, field), field) == old)\
            RB_LEFT(RB_PARENT(old, field), field) = elm;\
        else \
            RB_RIGHT(RB_PARENT(old, field), field) = elm;\
    }

```

```

    RB_AUGMENT(RB_PARENT(old, field)); \
} else \
    RB_ROOT(head) = elm; \
    RB_PARENT(RB_LEFT(old, field), field) = elm; \
    if (RB_RIGHT(old, field)) \
        RB_PARENT(RB_RIGHT(old, field), field) = elm; \
    if (parent) { \
        left = parent; \
        do { \
            RB_AUGMENT(left); \
        } while ((left = RB_PARENT(left, field)) != NULL); \
    } \
    goto color; \
} \
parent = RB_PARENT(elm, field); \
color = RB_COLOR(elm, field); \
if (child) \
    RB_PARENT(child, field) = parent; \
if (parent) { \
    if (RB_LEFT(parent, field) == elm) \
        RB_LEFT(parent, field) = child; \
    else \
        RB_RIGHT(parent, field) = child; \
    RB_AUGMENT(parent); \
} else \
    RB_ROOT(head) = child; \
color: \
if (color == RB_BLACK) \
    name##_RB_REMOVE_COLOR(head, parent, child); \
return (old); \
} \
\
/* Inserts a node into the RB tree */ \
attr struct type * \
name##_RB_INSERT(struct name *head, struct type *elm) \
{ \
    struct type *tmp; \
    struct type *parent = NULL; \
    int comp = 0; \
    tmp = RB_ROOT(head); \
    while (tmp) { \
        parent = tmp; \
        comp = (cmp)(elm, parent); \
        if (comp < 0) \
            tmp = RB_LEFT(tmp, field); \
        else if (comp > 0) \
            tmp = RB_RIGHT(tmp, field); \
    }

```



```

else    \
    return (tmp);    \
}    \
RB_SET(elm, parent, field);    \
if (parent != NULL) {    \
    if (comp < 0)    \
        RB_LEFT(parent, field) = elm;    \
    else    \
        RB_RIGHT(parent, field) = elm;    \
    RB_AUGMENT(parent);    \
} else    \
    RB_ROOT(head) = elm;    \
name##_RB_INSERT_COLOR(head,
elm);    \
return (NULL);    \
}    \
    \
/* Finds the node with the same key as elm */    \
attr struct type *    \
name##_RB_FIND(struct name *head, struct type *elm)    \
{    \
    struct type *tmp = RB_ROOT(head);    \
    int comp;    \
    while (tmp) {    \
        comp = cmp(elm, tmp);    \
        if (comp < 0)    \
            tmp = RB_LEFT(tmp, field);    \
        else if (comp > 0)    \
            tmp = RB_RIGHT(tmp, field);    \
        else    \
            return (tmp);    \
    }    \
    return (NULL);    \
}    \
    \
/* Finds the first node greater than or equal to the search key */    \
attr struct type *    \
name##_RB_NFIND(struct name *head, struct type *elm)    \
{    \
    struct type *tmp = RB_ROOT(head);    \
    struct type *res = NULL;    \
    int comp;    \
    while (tmp) {    \
        comp = cmp(elm, tmp);    \
        if (comp < 0) {    \
            res = tmp;    \
            tmp = RB_LEFT(tmp, field);    \
        }    \
    }    \
}

```

```

else if (comp > 0) \
    tmp =
RB_RIGHT(tmp, field); \
else \
    return (tmp); \
} \
return (res); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_NEXT(struct type *elm) \
{ \
    if (RB_RIGHT(elm, field)) { \
        elm = RB_RIGHT(elm, field); \
        while (RB_LEFT(elm, field)) \
            elm = RB_LEFT(elm, field); \
    } else { \
        if (RB_PARENT(elm, field) && \
            (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        else { \
            while (RB_PARENT(elm, field) && \
                (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
                elm = RB_PARENT(elm, field); \
            elm = RB_PARENT(elm, field); \
        } \
    } \
    return (elm); \
} \
\
/* ARGSUSED */ \
attr struct type * \
name##_RB_PREV(struct type *elm) \
{ \
    if (RB_LEFT(elm, field)) { \
        elm = RB_LEFT(elm, field); \
        while (RB_RIGHT(elm, field)) \
            elm = RB_RIGHT(elm, field); \
    } \
    else { \
        if (RB_PARENT(elm, field) && \
            (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
            elm = RB_PARENT(elm, field); \
        else { \
            while (RB_PARENT(elm, field) && \
                (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
                elm = RB_PARENT(elm, field); \
        } \
    } \
}

```

```

    elm = RB_PARENT(elm, field); \
} \
} \
return (elm); \
} \
\
attr struct type * \
name##_RB_MINMAX(struct name *head, int val) \
{ \
    struct type *tmp = RB_ROOT(head); \
    struct type *parent = NULL; \
    while (tmp) { \
        parent = tmp; \
        if (val < 0) \
            tmp = RB_LEFT(tmp, field); \
        else \
            tmp = RB_RIGHT(tmp, field); \
    } \
    return (parent); \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x, \
y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x) name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x) name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head) \
for ((x) = RB_MIN(name, head); \
(x) != NULL; \
(x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y) \
for ((x) = (y); \
((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y) \
for ((x) = RB_MIN(name, head); \
((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
(x) = (y))

```

```

#define RB_FOREACH_REVERSE(x, name, head) \
for ((x) = RB_MAX(name, head); \
(x) != NULL; \
(x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y) \
for ((x) = (y); \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name, \
head, y) \
for ((x) = RB_MAX(name, head); \
((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
(x) = (y))

#endif /* _SYS_TREE_H_ */
MIT

```

# 1.210 metrics-health-checks 4.2.33

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## 1.211 metrics-servlets 4.2.33



## 1.211.1 Available under license :

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.servlets

Build-Jdk-Spec: 17

Bundle-Description: A set of utility servlets for Metrics, allowing you to expose valuable information about your production environment.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Utility Servlets

Bundle-SymbolicName: io.dropwizard.metrics.servlets

Bundle-Version: 4.2.33

Created-By: Apache Maven Bundle Plugin 5.1.9

Export-Package: com.codahale.metrics.servlets;uses:="com.codahale.metrics,com.codahale.metrics.health,com.fasterxml.jackson.databind,javax.servlet,javax.servlet.http";version="4.2.33"

Implementation-Title: Metrics Utility Servlets

Implementation-Version: 4.2.33

Import-Package: javax.servlet;version="[2.5.0,4.0.0)",javax.servlet.http;version="[2.5.0,4.0.0)",com.codahale.metrics;version="[4.2,5)",com.codahale.metrics.health;version="[4.2,5)",com.codahale.metrics.json;version="[4.2,5)",com.codahale.metrics.jvm;version="[4.2,5)",com.fasterxml.jackson.databind;version="[2.12,3)",com.fasterxml.jackson.databind.util;version="[2.12,3)",com.papertrail.profiler;version="[1.1,2)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /metrics-servlets-4-2-33-jar/META-INF/MANIFEST.MF

## 1.212 metrics-jetty 4.2.33

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.jetty9

Build-Jdk-Spec: 17

Bundle-Description: A set of extensions for Jetty 9.3 and higher which provide instrumentation of thread pools, connector metrics, and application latency and utilization.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Integration for Jetty 9.3 and higher

Bundle-SymbolicName: io.dropwizard.metrics.jetty9

Bundle-Version: 4.2.33  
Created-By: Apache Maven Bundle Plugin 5.1.9  
Export-Package: com.codahale.metrics.jetty9;uses:="com.codahale.metrics,com.codahale.metrics.annotation,javax.servlet,javax.servlet.http,org.eclipse.jetty.io,org.eclipse.jetty.server,org.eclipse.jetty.server.handler,org.eclipse.jetty.util.annotation,org.eclipse.jetty.util.component,org.eclipse.jetty.util.thread";version="4.2.33"  
Implementation-Title: Metrics Integration for Jetty  
9.3 and higher  
Implementation-Version: 4.2.33  
Import-Package: javax.servlet;version="[2.5.0,4.0.0)",javax.servlet.http;version="[2.5.0,4.0.0)",com.codahale.metrics;version="[4.2,5)",com.codahale.metrics.annotation;version="[4.2,5)",org.eclipse.jetty.http;version="[9.4,10)",org.eclipse.jetty.io;version="[9.4,10)",org.eclipse.jetty.server;version="[9.4,10)",org.eclipse.jetty.server.handler;version="[9.4,10)",org.eclipse.jetty.util.annotation;version="[9.4,10)",org.eclipse.jetty.util.component;version="[9.4,10)",org.eclipse.jetty.util.thread;version="[9.4,10)"  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /metrics-jetty9-4-2-33-jar/META-INF/MANIFEST.MF

## 1.213 metrics-annotation 4.2.33

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# 1.214 metrics-jersey2 4.2.33

## 1.214.1 Available under license :

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

Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.jersey2

Build-Jdk-Spec: 17

Bundle-Description: A set of class providing Metrics integration for Jersey, the reference JAX-RS implementation.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Integration for Jersey 2.x

Bundle-SymbolicName: io.dropwizard.metrics.jersey2

Bundle-Version: 4.2.33

Created-By: Apache Maven Bundle Plugin 5.1.9

Export-Package: com.codahale.metrics.jersey2;uses:="com.codahale.metrics, javax.ws.rs.core, javax.ws.rs.ext, org.glassfish.jersey.server.model, org.glassfish.jersey.server.monitoring";version="4.2.33"

Implementation-Title: Metrics Integration for Jersey 2.x

Implementation-Version: 4.2.33

Import-Package: com.codahale.metrics;version="[4.2,5)", com.codahale.metrics.annotation;version="[4.2,5)", javax.ws.rs.core;version="[2.1,3)", javax.ws.rs.ext;version="[2.1,3)", org.glassfish.jersey.server;version="[2.47,3)", org.glassfish.jersey.server.model;version="[2.47,3)", org.glassfish.jersey.server.monitoring;version="[2.47,3)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /metrics-jersey2-4-2-33-jar/META-INF/MANIFEST.MF

# 1.215 metrics-caffeine 4.2.33

## 1.215.1 Available under license :

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- \*/

Found in path(s):

\* /metrics-caffeine-4-2-33-sources-jar/com/codahale/metrics/caffeine/MetricsStatsCounter.java

## 1.216 metrics-jvm 4.2.33

### 1.216.1 Available under license :

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

Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.jvm

Build-Jdk-Spec: 17

Bundle-Description: A set of classes which allow you to monitor critical aspects of your Java Virtual Machine using Metrics.

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>

Bundle-ManifestVersion: 2

Bundle-Name: JVM Integration for Metrics

Bundle-SymbolicName: io.dropwizard.metrics.jvm

Bundle-Version: 4.2.33

Created-By: Apache Maven Bundle Plugin 5.1.9

Export-Package: com.codahale.metrics.jvm;uses:="com.codahale.metrics,javax.management";version="4.2.33"

Implementation-Title: JVM Integration for Metrics

Implementation-Version: 4.2.33

Import-Package: org.slf4j;version="[1.6.0,2.0.0)",com.sun.management;resolution:=optional,com.codahale.metrics;version="[4.2,5)",javax.management

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /metrics-jvm-4-2-33-jar/META-INF/MANIFEST.MF

## 1.217 metrics-json 4.2.33

### 1.217.1 Available under license :

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

Manifest-Version: 1.0



Automatic-Module-Name: com.codahale.metrics.json  
Build-Jdk-Spec: 17  
Bundle-Description: A set of Jackson modules which provide serializers for most Metrics classes.  
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>  
Bundle-ManifestVersion: 2  
Bundle-Name: Jackson Integration for Metrics  
Bundle-SymbolicName: io.dropwizard.metrics.json  
Bundle-Version: 4.2.33  
Created-By: Apache Maven Bundle Plugin 5.1.9  
Export-Package: com.codahale.metrics.json;uses:="com.codahale.metrics,com.fasterxml.jackson.core,com.fasterxml.jackson.databind";version="4.2.33"  
Implementation-Title: Jackson Integration for Metrics  
Implementation-Version: 4.2.33  
Import-Package: com.codahale.metrics;version="[4.2,5)",com.codahale.metrics.health;version="[4.2,5)";resolution:=optional,com.fasterxml.jackson.core;version="[2.12,3)",com.fasterxml.jackson.databind;version="[2.12,3)",com.fasterxml.jackson.databind.module;version="[2.12,3)",com.fasterxml.jackson.databind.ser;version="[2.12,3)",com.fasterxml.jackson.databind.ser.std;version="[2.12,3)"  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\* /metrics-json-4-2-33-jar/META-INF/MANIFEST.MF

# 1.218 metrics-logback 4.2.33

## 1.218.1 Available under license :

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

Manifest-Version: 1.0  
Automatic-Module-Name: com.codahale.metrics.logback  
Build-Jdk-Spec: 17  
Bundle-Description: An instrumented appender for Logback.  
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.html>  
Bundle-ManifestVersion: 2  
Bundle-Name: Metrics Integration for Logback  
Bundle-SymbolicName: io.dropwizard.metrics.logback  
Bundle-Version: 4.2.33  
Created-By: Apache Maven Bundle Plugin 5.1.9  
Export-Package: com.codahale.metrics.logback;uses:="ch.qos.logback.classic.spi,ch.qos.logback.core,com.codahale.metrics";version="4.2.33"  
Implementation-Title: Metrics Integration for Logback  
Implementation-Version: 4.2.33  
Import-Package: ch.qos.logback.classic;version="[1.2,2)",ch.qos.logbac

k.classic.spi;version="[1.2,2)",ch.qos.logback.core;version="[1.2,2)"  
,com.codahale.metrics;version="[4.2,5)"  
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"  
Tool: Bnd-6.3.1.202206071316

Found in path(s):

\*

/metrics-logback-4-2-33-jar/META-INF/MANIFEST.MF

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