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### **1.750 python-setuptools 54.1.1**

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### **1.751 example 21.12**

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### **1.752 string\_decoder 1.1.1**

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### **1.753 uuid 3.3.3**

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### **1.754 dockerpty 0.4.1**

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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  
=====

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

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

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

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

DOCUMENTATION  
ROADMAP

=====  
This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:  
install.doc     How to configure and install the IJG software.  
usage.doc       Usage instructions for cjpeg, djpeg, jpegtran,

rdjpgcom, and wrjpgcom.

- \*.1            Unix-style man pages for programs (same info as usage.doc).
- wizard.doc    Advanced usage instructions for JPEG wizards only.
- change.log    Version-to-version change highlights.

Programmer and internal  
documentation:

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

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

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

## OVERVIEW

=====

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

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

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

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

The library is intended to be reused in other applications.

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

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

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

## LEGAL ISSUES

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In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

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(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

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

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

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic



coding cannot

legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

## REFERENCES

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We

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

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

A somewhat less technical, more

leisurely introduction to JPEG can be found in

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

at a full implementation, you've got one here...

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

The

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

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

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

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

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

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.

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

## ARCHIVE LOCATIONS

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The "official" archive site for this software is <ftp.uu.net> (Internet address 192.48.96.9). The most recent released version can always be found there in directory [graphics/jpeg](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> 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:comp.graphics.misc), [news.answers](news: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](news:news.answers) archive sites, including the official [news.answers](news:news.answers) archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body  
send [usenet/news.answers/jpeg-faq/part1](news:usenet/news.answers/jpeg-faq/part1)  
send [usenet/news.answers/jpeg-faq/part2](news: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

=====

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 plexus-component-annotations 1.5.5

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## 1.4 mongoose-web-server 3.5

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## 1.5 xinetd 2.3.15

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## 1.6 plexus-interpolation 1.14

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# 1.9 unzip 6.0

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---

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This file contains some details about the copyright history of contributions to the UnZip project.

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-----

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket UnZip GUI "wince/\*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip

are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding \_in an apparatus that performs LZW encoding\_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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```
* MoreFiles
*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
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\*  
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\*  
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\* -----  
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\* (available at ftp://ftp.lazerware.com/MacBinaryIII\_src\_C.sit  
\* homepage of Leonard Rosenthol leonardr@netcom.com)

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-----

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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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-----

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

-----

## 1.10 maven-settings 3.0.5

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# 1.13 maven-aether-provider 3.0.5

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## 1.15 aether-api 1.13.1

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```

```
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 */
```

```
import java.util.Collection;  
import java.util.Collections;  
import java.util.Iterator;  
import java.util.LinkedHashSet;  
import java.util.List;  
  
import org.sonatype.aether.RepositoryException;  
import org.sonatype.aether.artifact.Artifact;  
import org.sonatype.aether.graph.DependencyNode;  
import org.sonatype.aether.version.VersionConstraint;
```

```
/**  
 * Thrown in case of an unsolvable conflict between different version constraints for a dependency.  
 *  
 * @author Benjamin Bentmann  
 */  
public class UnsolvableVersionConflictException
```

```

extends RepositoryException
{

private final Object dependencyConflictId;

private final Collection<String> versions;

private final Collection<List<DependencyNode>> paths;

public UnsolvableVersionConflictException( Object dependencyConflictId, Collection<String> versions )
{
    super( "Could not resolve version conflict for " + dependencyConflictId + " with requested versions "
        + toList( versions ) );
    this.dependencyConflictId = ( dependencyConflictId != null ) ? dependencyConflictId : "";
    this.versions = ( versions != null ) ? versions : Collections.<String> emptyList();
    this.paths = Collections.emptyList();
}

private static String toList( Collection<String> versions )
{
    StringBuilder buffer = new StringBuilder( 256 );
    if ( versions != null )
    {
        for ( String version : versions )
        {
            if ( buffer.length() > 0 )

{
                buffer.append( ", " );
            }
            buffer.append( version );
        }
    }
    return buffer.toString();
}

public UnsolvableVersionConflictException( Collection<List<DependencyNode>> paths, Object
dependencyConflictId )
{
    super( "Could not resolve version conflict among " + toPaths( paths ) );
    this.dependencyConflictId = ( dependencyConflictId != null ) ? dependencyConflictId : "";
    if ( paths == null )
    {
        this.paths = Collections.emptyList();
        this.versions = Collections.emptyList();
    }
    else
    {

```

```

    this.paths = paths;
    this.versions = new LinkedHashSet<String>();
    for ( List<DependencyNode> path : paths )
    {
        VersionConstraint constraint = path.get( path.size() - 1 ).getVersionConstraint();
        if ( constraint != null && !constraint.getRanges().isEmpty() )

{
            versions.add( constraint.toString() );
        }
    }
}

```

```

private static String toPaths( Collection<List<DependencyNode>> paths )
{
    String result = "";

    if ( paths != null )
    {
        Collection<String> strings = new LinkedHashSet<String>();

        for ( List<DependencyNode> path : paths )
        {
            strings.add( toPath( path ) );
        }

        result = strings.toString();
    }

    return result;
}

```

```

private static String toPath( List<DependencyNode> path )
{
    StringBuilder buffer = new StringBuilder( 256 );

    for ( Iterator<DependencyNode> it = path.iterator(); it.hasNext(); )
    {
        DependencyNode node = it.next();
        if ( node.getDependency() == null )
        {
            continue;
        }

        Artifact artifact = node.getDependency().getArtifact();
        buffer.append( artifact.getGroupId()

```

```

);
    buffer.append( ':' ).append( artifact.getArtifactId() );
    buffer.append( ':' ).append( artifact.getExtension() );
    if ( artifact.getClassifier().length() > 0 )
    {
        buffer.append( ':' ).append( artifact.getClassifier() );
    }
    buffer.append( ':' ).append( node.getVersionConstraint() );

    if ( it.hasNext() )
    {
        buffer.append( " -> " );
    }
}

return buffer.toString();
}

/**
 * Gets the conflict id of the dependency that encountered the version conflict.
 *
 * @return The conflict id, never { @code null }.
 */
public Object getDependencyConflictId()
{
    return dependencyConflictId;
}

/**
 * Gets the paths leading to the conflicting dependencies.
 *
 * @return The (read-only) paths leading to the conflicting dependencies, never { @code null }.
 */
public Collection<List<DependencyNode>>
getPaths()
{
    return paths;
}

/**
 * Gets the conflicting version constraints of the dependency.
 *
 * @return The (read-only) conflicting version constraints, never { @code null }.
 */
public Collection<String> getVersions()
{
    return versions;
}

```



```

}
package org.sonatype.aether.repository;

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 * which accompanies this distribution, and is available at
 * http://www.eclipse.org/legal/epl-v10.html
 *****/

/**
 * A policy controlling access to a repository. <em>Note:</em> Instances of this class are immutable and the
 * exposed
 * mutators return new objects rather than changing the current instance.
 *
 * @author Benjamin Bentmann
 */
public final class RepositoryPolicy
{

    /**
     * Never update locally cached data.
     */
    public static final String UPDATE_POLICY_NEVER = "never";

    /**
     * Always update locally cached data.
     */
    public static final String UPDATE_POLICY_ALWAYS = "always";

    /**
     * Update locally cached data once a day.
     */
    public static final String UPDATE_POLICY_DAILY = "daily";

    /**
     * Update locally cached data every X minutes as given by "interval:X".
     */
    public static final String UPDATE_POLICY_INTERVAL = "interval";

    /**
     * Verify checksums and fail the resolution if they do not match.
     */
    public static final String CHECKSUM_POLICY_FAIL = "fail";

    /**

```

```

* Verify checksums and warn if they do not match.
*/
public static final String CHECKSUM_POLICY_WARN = "warn";

/**
* Do not verify checksums.
*/
public static final String CHECKSUM_POLICY_IGNORE = "ignore";

private final boolean enabled;

private final String updatePolicy;

private final String checksumPolicy;

/**
* Creates a new policy with checksum warnings and daily update checks.
*/
public RepositoryPolicy()
{
    this( true, UPDATE_POLICY_DAILY, CHECKSUM_POLICY_WARN
);
}

/**
* Creates a new policy with the specified settings.
*
* @param enabled A flag whether the associated repository should be accessed or not.
* @param updatePolicy The update interval after which locally cached data from the repository is considered
stale
* and should be refetched, may be { @code null }.
* @param checksumPolicy The way checksum verification should be handled, may be { @code null }.
*/
public RepositoryPolicy( boolean enabled, String updatePolicy, String checksumPolicy )
{
    this.enabled = enabled;
    this.updatePolicy = ( updatePolicy != null ) ? updatePolicy : "";
    this.checksumPolicy = ( checksumPolicy != null ) ? checksumPolicy : "";
}

/**
* Indicates whether the associated repository should be contacted or not.
*
* @return { @code true } if the repository should be contacted, { @code false } otherwise.
*/
public boolean isEnabled()
{
    return

```

```

enabled;
}

/**
 * Sets the enabled flag for the associated repository.
 *
 * @param enabled {@code true} if the repository should be contacted, {@code false} otherwise.
 * @return The new policy, never {@code null}.
 */
public RepositoryPolicy setEnabled( boolean enabled )
{
    if ( this.enabled == enabled )
    {
        return this;
    }
    return new RepositoryPolicy( enabled, updatePolicy, checksumPolicy );
}

/**
 * Gets the update policy for locally cached data from the repository.
 *
 * @return The update policy, never {@code null}.
 */
public String getUpdatePolicy()
{
    return updatePolicy;
}

/**
 * Sets the update policy for locally cached data from the repository. Well-known policies are
 * {@link #UPDATE_POLICY_NEVER}, {@link #UPDATE_POLICY_ALWAYS}, {@link
#UPDATE_POLICY_DAILY} and
 * {@link #UPDATE_POLICY_INTERVAL}
 *
 * @param updatePolicy The
update policy, may be {@code null}.
 * @return The new policy, never {@code null}.
 */
public RepositoryPolicy setUpdatePolicy( String updatePolicy )
{
    if ( this.updatePolicy.equals( updatePolicy ) )
    {
        return this;
    }
    return new RepositoryPolicy( enabled, updatePolicy, checksumPolicy );
}

/**

```

```

* Gets the policy for checksum validation.
*
* @return The checksum policy, never {@code null}.
*/
public String getChecksumPolicy()
{
    return checksumPolicy;
}

/**
* Sets the policy for checksum validation. Well-known policies are {@link #CHECKSUM_POLICY_FAIL},
* {@link #CHECKSUM_POLICY_WARN} and {@link #CHECKSUM_POLICY_IGNORE}.
*
* @param checksumPolicy The checksum policy, may be {@code null}.
* @return The new policy, never {@code null}.
*/
public RepositoryPolicy setChecksumPolicy( String checksumPolicy )
{
    if ( this.checksumPolicy.equals(
checksumPolicy ) )
    {
        return this;
    }
    return new RepositoryPolicy( enabled, updatePolicy, checksumPolicy );
}

@Override
public String toString()
{
    StringBuilder buffer = new StringBuilder( 256 );
    buffer.append( "enabled=" ).append( isEnabled() );
    buffer.append( ", checksums=" ).append( getChecksumPolicy() );
    buffer.append( ", updates=" ).append( getUpdatePolicy() );
    return buffer.toString();
}

@Override
public boolean equals( Object obj )
{
    if ( this == obj )
    {
        return true;
    }

    if ( obj == null || !getClass().equals( obj.getClass() ) )
    {
        return false;
    }
}

```

```

RepositoryPolicy that = (RepositoryPolicy) obj;

return enabled == that.enabled && updatePolicy.equals( that.updatePolicy )
    && checksumPolicy.equals( that.checksumPolicy );
}

@Override
public int hashCode()
{
    int hash = 17;
    hash = hash * 31 + ( enabled ? 1 : 0 );
    hash = hash * 31 + updatePolicy.hashCode();
    hash = hash * 31 + checksumPolicy.hashCode();
    return hash;
}
}

```

## 1.16 maven-model 3.0.5

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## 1.19 maven-settings-builder 3.0.5

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\* /opt/cola/permits/163216980\_1695314045.967893/0/plexus-cipher-1-7-sources-jar/org/sonatype/plexus/components/cipher/PlexusCipher.java  
\* /opt/cola/permits/163216980\_1695314045.967893/0/plexus-cipher-1-7-sources-jar/org/sonatype/plexus/components/cipher/PlexusCipherException.java  
\*

/opt/cola/permits/163216980\_1695314045.967893/0/plexus-cipher-1-7-sources-jar/org/sonatype/plexus/components/cipher/DefaultPlexusCipher.java

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

/\*\*

\* createCipher routine was adopted from <http://juliUSDavies.ca/svn/not-yet-commons-ssl/tags/commons-ssl-0.3.10/src/java/org/apache/commons/ssl/OpenSSL.java>  
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\* /opt/cola/permits/163216980\_1695314045.967893/0/plexus-cipher-1-7-sources-jar/org/sonatype/plexus/components/cipher/PBECipher.java

# 1.27 copy-concurrently 1.0.5

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## 1.30 apr-util 1.6.1

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## 1.31 libmnl 1.0.4

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

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

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

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

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## 1.32 open-ldap 2.4.46

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# 1.33 kmod 25

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Version 2.1, February 1999

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

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

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## 1.35 python 2.7.15

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### History and License

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us/>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see <http://www.zope.com/>). In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	no

2.1	2.0+1.6.1	2001	PSF	no	
+-----+					
2.0.1	2.0+1.6.1	2001	PSF	yes	
+-----+					
2.1.1	2.1+2.0.1	2001	PSF	yes	
+-----+					
2.1.2	2.1.1	2002	PSF	yes	
+-----+					
2.1.3	2.1.2				
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2.2 and above	2.1.1	2001-now	PSF	yes	
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### Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::



A C-program  
for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>  
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Sockets

-----

The `:mod:`socket`` module uses the

functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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-----  
MD5 message digest algorithm  
-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

Asynchronous socket services

-----

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management

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UUencode and UUdecode functions

-----

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

#### XML Remote Procedure Calls

-----

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test\_epoll

-----

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Select kqueue

-----

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strtod  
and dtoa  
-----

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-----

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History and License

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History of the software

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National

Research Initiatives (CNRI, see <https://www.cnri.reston.va.us/>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see <http://www.zope.com/>). In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.6.1	1.6	2001	CNRI	no
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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#### Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program  
for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Floating point exception control  
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MD5 message digest algorithm

-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services  
-----

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Cookie  
management  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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test\_epoll

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Select kqueue

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strtod  
and dtoa

-----

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## 1.36 zlib 1.2.3

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```
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```

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#

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
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#
src/pcf/module.mk
src/pcf/pcf.c
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src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftandom/ftandom.c
#
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EOF
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## 1.38 diffutils 3.7

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/\* CMU libsassl

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*
* $Id$
*/

#include "db_config.h"

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

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

/*
* __bam_open --
* Open a btree.

```

```

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

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

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

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

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

/*
* __bam_metachk --

```



```

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

env = dbp->env;
ret = 0;

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

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

/*

```

```

* Check application info against metadata info, and set info, flags,
* and type based on metadata info.
*/
if ((ret =
    __db_fchk(env, "DB->open", btm->dbmeta.flags, BTM_MASK)) != 0)
return (ret);

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

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

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

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

if (F_ISSET(&btm->dbmeta, BTM_FIXEDLEN)) {
    if (dbp->type != DB_RECNO)

```

```

    goto
wrong_type;
F_SET(dbp, DB_AM_FIXEDLEN);
} else
if (F_ISSET(dbp, DB_AM_FIXEDLEN)) {
    __db_errx(env, DB_STR_A("1012",
"%s: DB_FIXEDLEN specified to open method but not set in database",
"%s"), name);
    return (EINVAL);
}

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

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

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

#ifdef HAVE_COMPRESSION
if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {

```

```

F_SET(dbp, DB_AM_COMPRESS);
if ((BTREE *)dbp->bt_internal != NULL &&
    !DB_IS_COMPRESSED(dbp) &&
    (ret = __bam_set_bt_compress(dbp, NULL, NULL)) != 0)
    return (ret);
} else {
if ((BTREE *)dbp->bt_internal != NULL &&
    DB_IS_COMPRESSED(dbp)) {
__db_errx(env, DB_STR_A("1016",
"%s: compresssion specified to open method but not set in database",
"%s"), name);
return (EINVAL);
}
}
#else
if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
__db_errx(env, DB_STR_A("1017",
"%s: compression support has not been compiled in", "%s"),
name);
return (EINVAL);
}
#endif

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

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

```

```

#endif

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

return (0);

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

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

    COMPQUIET(flags, 0);

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

```

```

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

/* Get the metadata page. */
if ((ret =
    __db_lget(dbc, 0, base_pgno, DB_LOCK_READ, 0, &metalock)) != 0)
    goto err;
if ((ret = __memp_fget(mpf, &base_pgno, ip, dbc->txn, 0, &meta)) != 0)
    goto err;

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

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

/*
 * !!!

```

```

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

```

```
t->bt_lpgno = PGNO_INVALID;
```

```

err: /* Put the metadata page back. */
if (meta != NULL && (t_ret = __memp_fput(mpf,
    ip, meta, dbc->priority)) != 0 && ret == 0)
    ret = t_ret;
if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
    ret = t_ret;

```

```

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

```

```

/*
* __bam_init_meta --
*
* Initialize a btree meta-data page. The following fields may
* need
* to be updated later: last_pgno, root.
*/

```

```

static void
__bam_init_meta(dbp, meta, pgno, lsnp)
    DB *dbp;
    BTMETA *meta;
    db_pgno_t pgno;
    DB_LSN *lsnp;
{
    BTREE *t;
#ifdef HAVE_PARTITION
    DB_PARTITION *part;
#endif
    ENV *env;

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

    memset(meta, 0, sizeof(BTMETA));
    meta->dbmeta.lsn = *lsnp;
    meta->dbmeta.pgno = pgno;
    meta->dbmeta.magic = DB_BTREEMAGIC;

```

```

meta->dbmeta.version = DB_BTREEVERSION;
meta->dbmeta.pagesize = dbp->pgsize;
if (F_ISSET(dbp, DB_AM_CHKSUM))
    FLD_SET(meta->dbmeta.metaflags, DBMETA_CHKSUM);
if (F_ISSET(dbp, DB_AM_ENCRYPT)) {
    meta->dbmeta.encrypt_alg = env->crypto_handle->alg;
    DB_ASSERT(env, meta->dbmeta.encrypt_alg != 0);
    meta->crypto_magic = meta->dbmeta.magic;
}
meta->dbmeta.type = P_BTREEMETA;
meta->dbmeta.free = PGNO_INVALID;
meta->dbmeta.last_pgno = pgno;
if (F_ISSET(dbp, DB_AM_DUP))
    F_SET(&meta->dbmeta, BTM_DUP);
if (F_ISSET(dbp, DB_AM_FIXEDLEN))
    F_SET(&meta->dbmeta,
    BTM_FIXEDLEN);
if (F_ISSET(dbp, DB_AM_RECNUM))
    F_SET(&meta->dbmeta, BTM_RECNUM);
if (F_ISSET(dbp, DB_AM_RENUMBER))
    F_SET(&meta->dbmeta, BTM_RENUMBER);
if (F_ISSET(dbp, DB_AM_SUBDB))
    F_SET(&meta->dbmeta, BTM_SUBDB);
if (dbp->dup_compare != NULL)
    F_SET(&meta->dbmeta, BTM_DUPSORT);
#ifdef HAVE_COMPRESSION
if (DB_IS_COMPRESSED(dbp))
    F_SET(&meta->dbmeta, BTM_COMPRESS);
#endif
if (dbp->type == DB_RECNO)
    F_SET(&meta->dbmeta, BTM_RECNO);
memcpy(meta->dbmeta.uid, dbp->fileid, DB_FILE_ID_LEN);

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

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

```



```

}
#endif
}

/*
 * __bam_new_file --
 * Create the necessary pages to begin a new database file.
 *
 * This code appears more complex than it is because of the two cases (named
 * and unnamed). The way to read the code is that for each page being created,
 * there are three parts: 1) a "get page" chunk (which either uses malloc'd
 * memory or calls __memp_fget), 2) the initialization, and 3) the "put page"
 * chunk which either does a fop write or an __memp_fput.
 *
 * PUBLIC: int __bam_new_file __P((DB *,
 * PUBLIC:   DB_THREAD_INFO *, DB_TXN *, DB_FH *, const char *));
 */
int
__bam_new_file(dbp, ip, txn, fhp, name)
DB *dbp;
DB_THREAD_INFO *ip;
DB_TXN *txn;
DB_FH *fhp;
const char *name;
{
    BTMETA *meta;
    DBT pdbt;
    DB_LSN lsn;
    DB_MPOOLFILE *mpf;
    DB_PGINFO pginfo;
    ENV *env;
    PAGE *root;
    db_pgno_t pgno;
    int ret, t_ret;
    void *buf;

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

    if (F_ISSET(dbp, DB_AM_INMEM)) {
        /* Build the meta-data page. */
        pgno = PGNO_BASE_MD;
        if ((ret = __memp_fget(mpf, &pgno,
            ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta)) != 0)

```

```

return (ret);
LSN_NOT_LOGGED(lsn);
__bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
meta->root = 1;
meta->dbmeta.last_pgno = 1;
if ((ret =
    __db_log_page(dbp, txn, &lsn, pgno, (PAGE *)meta) != 0)
    goto err;
ret = __memp_fput(mpf, ip, meta, dbp->priority);
meta = NULL;
if (ret != 0)
    goto err;

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

/* Build the meta-data page. */
pginfo.db_pagesize = dbp->pgsize;
pginfo.flags =
    F_ISSET(dbp, (DB_AM_CHKSUM | DB_AM_ENCRYPT | DB_AM_SWAP));
pginfo.type = dbp->type;
pdbt.data = &pginfo;
pdbt.size = sizeof(pginfo);
if (dbp->blob_threshold) {
if ((ret = __blob_generate_dir_ids(dbp, txn,
    &dbp->blob_file_id)) != 0)
    return (ret);
}
if ((ret = __os_calloc(env, 1, dbp->pgsize, &buf)) != 0)
    return (ret);
meta = (BTMETA *)buf;

```

```

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

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

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

```

```

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

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

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

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

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

    /* Build meta-data page. */

```

```

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

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

if (DBENV_LOGGING(env) &&
#ifdef DEBUG_WOP
    txn != NULL &&
#endif)

    (ret = __bam_root_log(mdbp, txn, &meta->dbmeta.lsn, 0,
        meta->dbmeta.pgno, root->pgno, &meta->dbmeta.lsn)) != 0)
        goto err;

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

/* Release the metadata and root pages. */
if ((ret = __memp_fput(mpf, ip, meta, dbc->priority)) != 0)
    goto err;
meta = NULL;
if ((ret = __memp_fput(mpf, ip, root, dbc->priority)) != 0)
    goto err;
root = NULL;
err:
if
(meta != NULL)
    if ((t_ret = __memp_fput(mpf, ip,
        meta, dbc->priority)) != 0 && ret == 0)
        ret = t_ret;
if (root != NULL)
    if ((t_ret = __memp_fput(mpf, ip,
        root, dbc->priority)) != 0 && ret == 0)
        ret = t_ret;
if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
    ret = t_ret;
if (dbc != NULL)
    if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
        ret = t_ret;

```

```
return (ret);  
}
```

# 1.41 gzip 1.10

## 1.41.1 Available under license :

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```
<program> Copyright (C) <year> <name of author>  
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```

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## 1.42 apache-http-server 2.4.39

## 1.43 patch 2.7.6

## 1.44 kerberos 1.17

## 1.45 bzip2 1.0.8

## 1.46 dmidcode 3.5

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```

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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

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

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

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

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```
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## 1.57 c-ares 1.16.1

### 1.57.1 Available under license :

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

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

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```
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```

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```
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```

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

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\*\*\*\*\*

#### History of the software

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us/>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see <http://www.zope.com/>). In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	no

2.1	2.0+1.6.1	2001	PSF	no	
2.0.1	2.0+1.6.1	2001	PSF	yes	
2.1.1	2.1+2.0.1	2001	PSF	yes	
2.1.2	2.1.1	2002	PSF	yes	
2.1.3	2.1.2	2002	PSF	yes	
2.2 and above	2.1.1	2001-now	PSF	yes	

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Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from

<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>  
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Sockets

-----  
The `:mod:`socket``  
module uses the functions, `:func:`getaddrinfo``, and  
`:func:`getnameinfo``, which are coded in separate source files from the WIDE  
Project, <http://www.wide.ad.jp/>. ::

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Asynchronous socket services  
-----

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UUencode and UUdecode functions

-----

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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-----

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test\_epoll

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Select kqueue

-----

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SipHash24

-----

The file `:file:Python/pyhash.c` contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note:

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves ([supercop/crypto\\_auth/siphhash24/little](https://github.com/supercop/crypto_auth/siphhash24/little))

djb ([supercop/crypto\\_auth/siphhash24/little2](https://github.com/supercop/crypto_auth/siphhash24/little2))

Jean-Philippe Aumasson

(<https://131002.net/siphhash/siphhash24.c>)

strtod and dtoa

-----

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-----

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zlib

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cfuhash

-----

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

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libmpdec

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

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

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

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

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

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

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## 1.65 7zip 16.02

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

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object code for the work under the terms of Section 6.

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

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

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the work with the complete corresponding

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b) Use a suitable shared library mechanism for linking with the

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

properly with a modified version of the library, if

the user installs one, as long as the modified version is

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally

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

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## 1.73 screen 4.6.2

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The End

---

abstract: 'Build and install Perl modules'

author:

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

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

build\_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated\_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

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

version: 1.4

name: Module-Build

resources:

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

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

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

version: 3

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

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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.

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

That's all there is to it!  
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

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

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

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

=cut

```
use strict;
use Config;
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}
```

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

```

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current
    year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

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

done_testing;

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

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

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

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

    $year;
}

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

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

    $year;
}

```

}

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## 1.78 guice 3.1.0

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## 1.79 libunwind 1.2-rc1

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^L

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

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

Random Hacker.

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

That's all there is to it!

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

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

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

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

Re: [Cracklib-devel] cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18  
I understand that, and you're welcome to bring it up with Alec directly  
and see if he wants to relicense his code as LGPL... but at this point,  
it was enough to just get it consistent and documented as to what it was  
released under. This wasn't actually a license change, just a  
clarification of the licensing that was already in place.=20

-- Nathan  
=20

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

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:15 PM  
> To: cracklib-devel@li...  
> Subject: [Cracklib-devel] cracklib license

>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

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

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

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

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

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

Re: [Cracklib-devel]  
cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46  
Seems like the ideal thing here would be for you and the other distro  
maintainers to get together with Alec in a conversation and come to a  
decision as to what licensing scheme y'all want. I haven't really done  
much other than cleaning up the packaging and patches and a small bit of  
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679



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

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

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

> Mike Frysinger

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

> To: Neulinger, Nathan

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

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

>=20

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

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

> directly

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

> point,

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

> it was

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

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

>=20

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

> not

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

> license

> change until it was mentioned in the latest notes.

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

> unless their

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

> place of a

> library

to dictact to application writes what license they should

> be using.

> thus LGPL-2.1 enters to fill this void.

> -mike

Re: [Cracklib-devel] cracklib license

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

> Seems like the ideal thing here would be for you and the other distro

> maintainers to get together with Alec in a conversation and come to a

> decision as to what licensing scheme y'all want. I haven't really done

> much other than cleaning up the packaging and patches and a small

> bit of

> additional code, so whatever licensing y'all come up with is fine

> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

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

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

think it is in everyone's

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

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

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

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

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

code, so whatever licensing y'all come up with is fine

>> by me.

>

> I am sympathetic. Guys, what do you reckon?

>

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

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

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the

GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

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

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

>>

>> I am sympathetic. Guys, what do you reckon?

>>

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

>

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

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,  
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the library under a later version of the

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> GPL to use the library, too, which would be sufficient for the packages

> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

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

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

-mike

Re: [Cracklib-devel] cracklib license

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

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

>

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

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

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

> >

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

>

> yes. go for it. thanks++

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

-mike

-----

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

-----

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

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

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

-----

From  
alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umn.edu ([131.151.0.192]) by UMR-CMAIL1.umn.edu with Microsoft  
SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umn.edu with Microsoft  
SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umn.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umn.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from  
[82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umn.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length:  
585  
Lines: 21  
  
>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umn.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license

> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

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

Happy now? :-)

-a

# 1.85 beecrypt 4.2.1

## 1.85.1 Available under license :

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Version 2, June 1991

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

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or

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

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

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

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

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if  
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source code, which must be distributed under the terms of Sections  
1 and 2 above on a medium customarily used for software interchange; or,

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years, to give any third party, for a charge no more than your  
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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



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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

5. A program that contains no derivative of any portion of the

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Section 6 states terms for distribution of such executables.

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

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

Any executables

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

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

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- a) Accompany the work with the complete corresponding

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

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

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

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

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

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

I would like to thank the following people (in alphabetical order):

- Seth Arnold, for contributing to the documentation.
- Daniel Black, (former) maintainer of the Gentoo GNU/Linux BeeCrypt package.
- Jan-Rudolph Bhrmann, for helping me get started on the 64-bit multi-precision integer library.
- Luca Filipozzi, (former) maintainer/packager of BeeCrypt for Debian GNU/Linux.
- Jeff Johnson, the guy behind RedHat's Package Manager, who has inspired and contributed to many of the changes for version 3.0.0. He also provided the new hash functions for version 4.2.0. 73 de Bob.
- Anibal Monsalve Salazar, (current) maintainer/packager of BeeCrypt for Debian GNU/Linux.



- Jon Sturgeon, bug hunter extraordinaire.

Further thanks go to:

- AMD, for donating a copy of "AMD x86-64 Architecture Programmer's Manual".
- ARM Ltd, for donating a copy of "ARM Architecture Reference Manual".
- HP/Compaq, for their testdrive program, which gave me the opportunity to test and BeeCrypt on many new platforms.
- FSF France, for providing me with access to the GCC Compile Farm.
- SourceForge, for their excellent open source development platform.

Last but not least: thanks to everyone who provided bits of information, reported bugs, provided feedback, or works on including BeeCrypt in any other distros.

If I've missed anyone, it's due to oversight. Drop me a line and I'll rectify the situation as quickly as possible.

## 1.86 Im-sensors 3.4.0

### 1.86.1 Available under license :

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Version 2.1, February 1999

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#### Preamble

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

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

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

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

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\* Frodo Looijaard

Original author of libsensors, sensors-detect, sensors and isadump.

\* Merlin Hughes

Original author of sensord.

\* Bob Schlaermann

Dynamic chip feature detection (a.k.a. generic chip support) in  
libsensors and sensors.

\* Mark M. Hoffman

Many improvements to the libsensors configuration file scanner.

\* Jean Delvare

New libsensors API, and migration of sensors and sensord thereto.

Many optimizations in libsensors and sensors.

Configuration file converter.

Rewrite of sensors-detect.

Support for multiple configuration files in libsensors.

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Version 3, 29 June 2007

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## 1.89 dhcp 4.4.1

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

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

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

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

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-->

<!-- \$Id\$ -->

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

```
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  xmlns:db="http://docbook.org/ns/docbook">

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

  <xsl:variable name="isc.copyright.text">
    <xsl:text>
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      file, You can obtain one at http://mozilla.org/MPL/2.0/.
    </xsl:text>
  </xsl:variable>

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

</xsl:call-template>  
</xsl:variable>  
</xsl:stylesheet>

<!--

- Local variables:  
- mode: sgml  
- End:

-->

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

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

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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Files: \*

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

# 1.94 cpio 2.13

## 1.94.1 Available under license :

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Version 3, 29 June 2007

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## 1.95 xz 5.2.5



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## THE BASIC LIBRARY FUNCTIONS

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A. HISTORY OF THE SOFTWARE  
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Python was created in the early 1990s by Guido van Rossum at Stichting



Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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## 1.102 coreutils 8.32

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## 1.103 libsampleate 0.1.9

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# 1.104 websocketpp 0.8.1

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base64.cpp and base64.h

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Ren Nyffenegger [rene.nyffenegger@adp-gmbh.ch](mailto:rene.nyffenegger@adp-gmbh.ch)

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L. Peter Deutsch  
[ghost@aladdin.com](mailto:ghost@aladdin.com)

\*\*\*\*\* UTF8 Validation logic (utf8\_validation.hpp) \*\*\*\*\*

utf8\_validation.hpp is adapted from code originally written by Bjoern Hoehrmann <[bjoern@hoehrmann.de](mailto:bjoern@hoehrmann.de)>. See <http://bjoern.hoehrmann.de/utf-8/decoder/dfa/> for details.

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## 1.105 sed 4.8

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# 1.107 libtasn 4.16.0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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# 1.117 kmod 25+git0+aca4eca103

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

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

# 1.120 pigz 2.4

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# 1.131 traceroute 2.1.0

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# 1.132 libidn 2.3.0

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Version 3, 29 June 2007

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\* @version 3.0 (December 2000)

\*

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

\*

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

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

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## 1.140 Iodash-baseuniq 4.6.0

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## 1.142 lodash.restparam 3.6.1

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```
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 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1078202330_1597270881.42/0/fis-components-lodash-restparam-3-6-1-0-g4b84b80-tar-gz/fis-components-lodash.restparam-3692f6f/index.js
```

## 1.143 lodash-baseindexof 3.1.0

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 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1078202342_1597270964.99/0/fis-components-lodash-bindcallback-3-0-1-0-ga3774f0-tar-gz/fis-components-lodash._bindcallback-ef3539e/index.js
```



# 1.145 lodash-cacheindexof 3.0.2

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# 1.146 lodash.\_getnative 3.9.1

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```
/**
```

```
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```

```
* Build: `lodash modern modularize exports="npm" -o .`
```

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```

```
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1078202442_1597270786.77/0/fis-components-lodash-getnative-3-9-1-0-g99a6587-tar-gz/fis-components-lodash._getnative-20042e8/index.js
```

# 1.147 Iodash-createcache 3.1.2

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## 1.149 lodash.clonedeep 4.5.0

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## 1.151 bitset 1.1.11

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## 1.152 python3-asn1crypto 1.4.0

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# 1.154 groff 1.22.4

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. The `gm' preprocessor, written by Barry Roitblat <[barry@rentonww.com](mailto:barry@rentonww.com)> and David Slattengren <[slatteng@Xinet.COM](mailto:slatteng@Xinet.COM)>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

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<http://ftp.cs.wisc.edu/pub/misc/grn.tar.Z> .

```
src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp
```

. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

```
src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c
```

```
src/include/DviChar.h
src/include/XFontName.h
```

```
src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c
```

## Macro Packages

-----

- . The `-mdoc` macro set, using the BSD license.

```
tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man
```

- . The `-me` macro set, using the BSD license.

```
tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meintro_fr.me
doc/meref.me
```

## Hyphenation Patterns

-----

- . The file ``tmac/hyphen.us'` is identical to the file ``hyphen.tex'`, part of the TeX system written by Donald E. Knuth; the master file can be found at

```
ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex .
```

It has been renamed for consistency, i.e., to make patterns available under the filenames ``hyphen.<language>'`, e.g. ``hyphen.de'` or ``hyphen.uk'`.

See the file itself for a copyright notice.

- . The file ``tmac/hyphen.fr'` contains the same patterns as the file ``frhyph.tex'` (for TeX), which can be found at

```
http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex .
```

The patterns have been converted to a format groff can understand.

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- . The file ``tmac/hyphen.sv'` is identical to the file ``svhyph.tex'`, which

can be found at

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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehypht-x-2017-03-31.pat' and `dehyphn-x-2017-03-31.pat' (for TeX), respectively, which can be found at

<http://ctan.org/tex-archive/language/hyphenation/dehyph-exptl>

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. The file `tmac/hyphen.cs' contains the same patterns as the file `czyhyphen.tex' (for TeX), which can be found in the archive

<http://dante.ctan.org/CTAN/macros/cstex/base/csplain.tar.gz> .

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## 1.155 libidn 1.36

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

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```
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```

```
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## 1.156 cifs-utils 6.7



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# 1.157 json-c 0.15

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\*

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

\*

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

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#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/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/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
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#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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

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

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# 1.167 multipart-parser-c NA

## 1.167.1 Available under license :

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

```
/* Based on node-formidable by Felix Geisendörfer
* Igor Afonov - afonov@gmail.com - 2012
* MIT License - http://www.opensource.org/licenses/mit-license.php
*/
```

Found in path(s):

```
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
```

# 1.168 gettext 0.21

## 1.168.1 Available under license :

```
@c The GNU Lesser General Public License.
@center Version 2.1, February 1999
```

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

```
@display
Copyright @copyright{ } 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
```

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

```
@subheading Preamble
```

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former

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```
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69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

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```
@example
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```

```
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the

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

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Version 3, 29 June 2007

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## 1.181 es-to-primitive 1.2.0

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// Original can be found at:

// <https://bitbucket.org/lindenlab/llsd>

// Modifications by Joshua Bell [inexorabletaash@gmail.com](mailto:inexorabletaash@gmail.com)

// <https://github.com/inexorabletaash/polyfill>

// ES3/ES5 implementation of the Krhonos Typed Array Specification

```
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/  
// Date: 2011-02-01  
//  
// Variations:  
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
```

# 1.184 debuglog 1.0.1

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- project has been modified to work in Node and some refactoring was done for code cleanup

# 1.187 pumpify 1.5.1

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# 1.192 promzard 0.3.0

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## 1.227 console-control-strings 1.1.0

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## 1.229 execa 0.7.0

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## 1.232 imurmurhash 0.1.4

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Found in path(s):

\* /opt/cola/permits/1110635849\_1607035374.31/0/imurmurhash-0-1-4-4-tgz/package/README.md

## 1.233 deep-extend 0.6.0

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# 1.234 find-up 3.0.0

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# 1.235 json-stringify-safe 5.0.1

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# 1.237 oauth-sign 0.9.0

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wewidth.js: JavaScript Portng of Markus Kuhn's wewidth() Implementation

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## 1.267 string-width 1.0.2

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## 1.273 verror 1.10.0

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## 1.274 are-we-there-yet 1.1.4

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## 1.275 json-parse 1.3.1

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# 1.277 fs-write-stream-atomic 1.0.10

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## 1.280 inflight 1.0.6

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## 1.281 dotenv 5.0.1

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## 1.282 create-error-class 3.0.2

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## 1.283 string-width 2.1.1

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## 1.288 camelcase 4.1.0

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## 1.290 mute-stream 0.0.7

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# 1.295 pyasn1 0.4.8

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Metadata-Version: 1.2

Name: pyasn1

Version: 0.4.8

Summary: ASN.1 types and codecs

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

Author: Ilya Etingof

Author-email: [etingof@gmail.com](mailto:etingof@gmail.com)

Maintainer: Ilya Etingof <[etingof@gmail.com](mailto:etingof@gmail.com)>

License: BSD

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

Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Education

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

Classifier: Intended Audience :: Telecommunications Industry

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Classifier: Natural Language :: English

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.4

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Programming Language :: Python :: 2.5

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\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/setup.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/codec/der/decoder.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test\_tag.py  
\*  
/opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/codec/der/\_\_main\_\_.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/test\_binary.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/namedtype.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/pyasn1/type/useful.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/type/test\_useful.py  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/tests/compat/\_\_main\_\_.py

```

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

```

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ASN.1 library for Python

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[blue.svg](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt))](<https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt>)

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

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

Features

-----

\*

Generic implementation of ASN.1 types (X.208)

\* Standards compliant BER/CER/DER codecs

\* Dumps/loads ASN.1 structures from Python types

\* 100% Python, works with Python 2.4 up to Python 3.7

\* MT-safe

\* Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

Why using pyasn1

-----

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

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

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

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

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

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

How to use pyasn1

-----

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

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

Could be expressed in pyasn1 like this:

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

```

```

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

```

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

```

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

```

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

```

``python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
0000: 30 07 02 01 7B 80 02 01 41
...

```

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

```

``python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321

```



```

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

```

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

```

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

```

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

```

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

```

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

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

How to get pyasn1

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

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

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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Found in path(s):  
\* /opt/cola/permits/1110812511\_1607462013.57/0/pyasn1-0-4-8-tar-gz/pyasn1-0.4.8/README.md  
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=====

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

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ASN.1 library for Python  
=====

.. toctree::  
:maxdepth: 1

Abstract Syntax Notation One (ASN.1 <http://en.wikipedia.org/wiki/Abstract\_Syntax\_Notation\_1x>) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

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

## What is ASN.1

-----

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

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

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

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

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

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

## ASN.1 applications

-----

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

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

## ASN.1 gotchas

-----

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

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

## Documentation

-----

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

   /pyasn1/contents
```

## Use case

-----

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

   /example-use-case
```

## Download & Install

-----

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

   /download
```

## Changes

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

..  
toctree::  
:maxdepth: 1  
  
/changelog

## License

-----  
The PyASN1 software is distributed under 2-clause BSD License.

.. toctree::  
:maxdepth: 2  
  
/license

## Getting help

-----  
Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`\_` and `PRs` <<https://github.com/etingof/pyasn1/pulls>>`\_` at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_` or search `pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>`\_` mailing list archive.

## Books on ASN.1

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

- \* `ASN.1 - Communication between heterogeneous systems` <<http://www.oss.com/asn1/dubuisson.html>>`\_` by Olivier Dubuisson
- \* `ASN.1 Complete` <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>`\_` by Prof John Larmouth

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

- \* `ITU standards`

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

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

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

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

Found in path(s):

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

## 1.296 pyrsistent 0.17.3

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## 1.297 appdirs 1.4.4

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## 1.298 duplexer3 0.1.4

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\* Heuristic detection of sub-messages when printing unknown fields in text format.

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\* Added @Override annotation to generated Java code where appropriate.

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\* Tru64 support.

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\* Solaris 10 + Sun Studio fixes.

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\* Slicing support for repeated scalar fields for the Python API.

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\* MS Visual Studio error format option.

\* Detect unordered\_map in stl\_hash.m4.

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\* gzip/zlib I/O support.

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\* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).

\* Added generation of field number constants.

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\* Fixed initialization ordering problem in logging code.

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\* Small patch improving performance of in Python serialization.

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\* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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\* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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\* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

\* Detect whether zlib is new enough in configure script.

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

Evan Jones <evanj@mit.edu>

\* Optimize Java serialization code when writing a small message to a stream.

\* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.

\* Clean up some Java warnings.

\* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

\* Added CodedInputStream.getTotalBytesRead().

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\* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>

\* Fixed detection of sched\_yield on Solaris.

\* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

\* Fixed minor IBM xLC compiler build issues

\* Added atomicops for AIX (POWER)

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```

## 1.310 cacache 12.0.3

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## 1.313 socks-proxy-agent 4.0.2

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socks-proxy-agent

=====

### A SOCKS proxy `http.Agent` implementation for HTTP and HTTPS

[![Build Status](https://travis-ci.org/TooTallNate/node-socks-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-socks-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified SOCKS proxy server, and can be used with the built-in `http` or `https` modules.

It can also be used in conjunction with the `ws` module to establish a WebSocket connection over a SOCKS proxy. See the "Examples" section below.

## Installation

-----

Install with `npm`:

```
``` bash
$ npm install socks-proxy-agent
```
```

## Examples

-----

#### `http` module example

```
``` js
var url = require('url');
var http = require('http');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using
proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'http://nodejs.org/api/';
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
  console.log('"response" event!', res.headers);
  res.pipe(process.stdout);
});
```
```

#### `https` module example

```
``` js
var url = require('url');
```

```

var https = require('https');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'https://encrypted.google.com/';
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent`
class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

https.get(opts, function (res) {
  console.log('"response" event!', res.headers);
  res.pipe(process.stdout);
});
```



#### `ws` WebSocket connection example



```

``` js
var WebSocket = require('ws');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);

// initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
  console.log('"open" event!');
  socket.send('hello world');
});

```


```

```
socket.on('message',
function (data, flags) {
console.log('"message" event! %j %j', data, flags);
socket.close();
});
``
```

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Found in path(s):

\* /opt/cola/permits/1112087593\_1607035045.04/0/agent-base-4-3-0-5-tgz/package/README.md

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## 1.321 icu 68

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## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)  
  
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC  
  
## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D_REENTRANT  
LIBCPPFLAGS =  
  
## Compiler switch to embed a runtime search path  
LD_RPATH=  
LD_RPATH_PRE= -Wl,-rpath,  
  
## Compiler switch to embed a library name
```

```

LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

```

# Dependencies [i.e. map files] for the final library

BIR\_DEPS=

## Remove shared library 's'

STATIC\_PREFIX\_WHEN\_USED =

STATIC\_PREFIX =

## End BSD-specific setup

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```
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```
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```

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Ty Coon, President of Vice
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## 1.324 cli-table3 0.5.1

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# 1.325 aws4 1.8.0

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\* Heuristic detection of sub-messages when printing unknown fields in text format.  
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\* Added @Override annotation to generated Java code where appropriate.

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- \* Tru64 support.

Monty Taylor <monty.taylor@gmail.com>

- \* Solaris 10 + Sun Studio fixes.

Alek Storm <alek.storm@gmail.com>

- \* Slicing support for repeated scalar fields for the Python API.

Oleg Smolsky <oleg.smolsky@gmail.com>

- \* MS Visual Studio error format option.

- \* Detect unordered\_map in stl\_hash.m4.

Brian Olson <brianolson@google.com>

- \* gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>

- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).

- \* Added generation of field number constants.

Wink Saville <wink@google.com>

- \* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

- \* Small patch improving performance of in Python serialization.

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- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>

- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>

- \* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- \* Detect whether zlib is new enough in configure script.

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

Evan Jones <evanj@mit.edu>

- \* Optimize Java serialization code when writing a small message to a stream.

- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.

- \* Clean up some Java warnings.

- \* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

- \* Added CodedInputStream.getTotalBytesRead().

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- \* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.

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- \* Fixed detection of sched\_yield on Solaris.

- \* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- \* Fixed minor IBM xLC compiler build issues

- \* Added atomicops for AIX (POWER)

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## 1.337 libcap-ng 0.8.2

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## 1.339 smartmontools 7.2

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```
<program> Copyright (C) <year> <name of author>
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```

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## 1.341 boost 1.75.0

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```

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////
```

```
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```

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////

```
[#mpl]
# MPL Support, <boost/mp11/mpl.hpp>
:toc:
:toc-title:
:idprefix:
```

The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for ``mp_list`` and ``std::tuple`` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: ``mpl.hpp`` is not included by `<boost/mp11.hpp>`.

It's also possible to only enable support for ``mp_list`` by including `<boost/mp11/mpl_list.hpp>`, and for ``std::tuple`` by including `<boost/mp11/mpl_tuple.hpp>`. This may be required because some libraries, such as Boost.Fusion, contain their own MPL support for ``std::tuple``, which conflicts with Mp11's one.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head></head>
```

```
<body>
```

```
<h3>
```

```
Copyright Test
```

```
</h3>
```

```
<p class="copyright">
```

```
1963, 1964, 1965 Jane Doe
```

```
</p>
<p class="copyright">
  2018 Joe Blow, John Coe
</p>
<p class="copyright">
  1977, 1985 Someone else
</p>
</body>
</html>
```

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
</copyright>
<copyright>
<year>2018</year> <holder>Joe Blow, John Coe</holder>
</copyright>
<copyright>
<year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
</article>
```

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## 1.344 cronie 1.5.5

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## 1.348 libflac 1.3.3

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Any

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# 1.350 libsodium 1.0.18

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## 1.354 dmalloc 5.5.2

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```
#!/usr/bin/perl5 -w
#
# dmalloc_summarize -- summarizes dmalloc log files
#
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#
# $Id: dmalloc_summarize.pl,v 1.1.1.1 2012/09/18
# 09:28:11 mohammr1 Exp $
#
```

```
/*
 *
 * Copyright (c) 1994, Textil Computer Design GmbH, Dresden
 *
 * Author: J"org Wunsch
 *
 * Dumb atexit() implementation. It is far from being elegant. It is
 * only here to provide a workaround for systems where the existing
 * atexit() implementation is known to cause problems due to doing
 * own mallocs. The problem arose originally on a Data General
 * machine running DG/UX 5.4R*, along with gcc compiling C++ code.
 * In order to have global and static variables called their const-
 * ructors, a chunk of code has been placed by the compiler that
 * ran before invoking main(). This code registered the destructors
 * with atexit() at this very early stage, but the existing atexit()
 * bypassed the normal memory allocation scheme, and hence caused
 * grievous troubles in combination with the dmalloc library.
 *
 * Known problem for DG/UX: the crt0.o (at least in a COFF environ-
 * ment) passes the return value from main() to _real_exit() instead
 * of exit().
 * Hence programs which return from main instead of calling
 * exit() do not work as expected. I do not see any good workaround
 * for this so far (since crt0.o always happens to reference the
 * _real_exit() from the library, even if we would provide our very
 * own symbol for it).
 *
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# 1.355 more-itertools 8.7.0

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# 1.356 hd-parm 9.60

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## 1.357 base-passwd 3.5.3

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

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/\*

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Files: passwd.master, group.master

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X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and Bruce Perens <bruce@pixar.com>.

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# 1.361 libseccomp 2.5.1

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## 1.368 jemalloc 5.2.1

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## 1.370 gawk 5.1.0

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

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

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

The precise terms and conditions for copying, distribution and

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

## @subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0

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

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

The ``Library", below, refers to any such software library or work which has been distributed under these terms. A ``work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term ``modification".)

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

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

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You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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The modified work must itself be a software library.

@item

You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item

You must

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

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If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections



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

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

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

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

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

@item

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

If distribution of object code is made by offering access to copy

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

@item

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

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

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

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

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

@item

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

You must give prominent notice with each copy of the work that the

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

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

@item

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

@item

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

@item

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@item

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

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

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@item

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@enumerate a

@item

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

@item

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

@end enumerate

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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@var{one line to give the library's name and an idea of what it does.}

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@end  
smallexample

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`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990  
Ty Coon, President of Vice  
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## Preamble

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

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

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

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

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

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

root function must still compute square roots.)

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

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

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

### 3. You may opt to apply the terms of the ordinary GNU General Public

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

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

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

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

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

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

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

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# 1.376 npth 1.6

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

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline



functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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<signature of Ty Coon>, 1 April 1990  
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# 1.381 findutils 4.8.0

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# 1.382 grep 3.6

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Bos, Sander  
Bostley, P.J.  
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## 1.385 libproxy 0.4.17

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Version 2.1, February 1999

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

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LZ4 Library

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Upstream-Name: liblz4

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

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

Files: \*

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# 1.388 libsd1 2.0.14

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

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The test programs in this directory tree are for demonstrating and testing the functionality of the SDL library, and are placed in the public domain.

October 28, 1997

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Sam Lantinga (slouken@libsdl.org)

## 1.389 rsync 3.2.3

### 1.389.1 Available under license :

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## 1.391 maven-compat 3.0.5

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## 1.394 elfutils 0.183

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## 1.399 pynacl 1.3.0

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# 1.400 ptyprocess 0.7.0

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## 1.401 maven-embedder 3.0.5

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## 1.402 smmap 4.0.0

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## 1.403 sqlite 3.35.0

### 1.403.1 Available under license :

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<p>Yes. SQLite is in the public domain. No claim of ownership is made

Found in path(s):

\* /opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/www/faq.tcl

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

/opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/art/SQLite.eps:  
binary file matches

Found in path(s):

\* /bin/grep

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public domain.</li>

Found in path(s):

\* /opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/www/changes.tcl

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%define name sqlite

%define version SQLITE\_VERSION

%define release 1

Name: % {name}

Summary: SQLite is a C library that implements an embeddable SQL database engine

Version: % {version}

Release: % {release}

Source: % {name}-% {version}.tar.gz

Group: System/Libraries

URL: <http://www.hwaci.com/sw/sqlite/>

License: Public Domain

BuildRoot: % {\_tmppath}/% {name}-% {version}-root

%description

SQLite is a C library that implements an embeddable SQL database engine. Programs that link with the SQLite library can have SQL database access without running a separate RDBMS process. The distribution comes with a standalone command-line access program (sqlite) that can be used to administer an SQLite database and which serves as an example of how to use the SQLite library.

%package -n % {name}-devel

Summary: Header files and libraries for developing apps which will use sqlite

Group: Development/C

Requires: % {name} = % {version}-% {release}

%description

-n % {name}-devel

The sqlite-devel package contains the header files and libraries needed to develop programs that use the sqlite database library.

%prep

%setup -q -n % {name}

%build

CFLAGS="%optflags -DNDEBUG=1" CXXFLAGS="%optflags -DNDEBUG=1" ./configure --prefix=% {\_prefix}

make

make doc

%install

install -d \$RPM\_BUILD\_ROOT/% {\_prefix}



```
install -d $RPM_BUILD_ROOT/%{_prefix}/bin
install -d $RPM_BUILD_ROOT/%{_prefix}/include
install -d $RPM_BUILD_ROOT/%{_prefix}/lib
make install prefix=$RPM_BUILD_ROOT/%{_prefix}
```

```
%clean
```

```
rm -fr $RPM_BUILD_ROOT
```

```
%files
```

```
%defattr(-, root, root)
```

```
%{_libdir}/*.so*
```

```
%{_bindir}/*
```

```
%files -n %{name}-devel
```

```
%defattr(-, root, root)
```

```
%{_libdir}/pkgconfig/sqlite.pc
```

```
%{_libdir}/*.a
```

```
%{_libdir}/*.la
```

```
%{_includedir}/*
```

```
%doc doc/*
```

Found in path(s):

\* /opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/spec.template

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```
/*
```

```
* This code implements the MD5 message-digest algorithm.
```

```
* The algorithm is due to Ron Rivest. This code was
```

```
* written by Colin Plumb in 1993, no copyright is claimed.
```

```
* This code is in the public domain; do with it what you wish.
```

```
*
```

```
* Equivalent code is available from RSA Data Security, Inc.
```

```
* This code has been tested against that, and is equivalent,
```

```
* except that you don't need to include two pages of legalese
```

```
* with every copy.
```

```
*
```

```
* To compute the message digest of a chunk of bytes, declare an
```

```
* MD5Context structure, pass it to MD5Init, call MD5Update as
```

```
* needed on buffers full of bytes, and then call MD5Final, which
```

```
* will fill a supplied 16-byte array with the digest.
```

```
*/
```

Found in path(s):

\* /opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/src/md5.c

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```
/* The IncrKey opcode is only applied to keys generated by
```

```
** MakeKey or MakeIdxKey and the results of those operands
```

```
** are always dynamic strings or zShort[] strings. So we
** are always free to modify the string in place.
*/
```

Found in path(s):

```
*/opt/cola/permits/1151440481_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/src/vdbe.c
```

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```
# 2001 September 15
```

```
#
```

```
# The author disclaims copyright to this source code. In place of
```

```
# a legal notice, here is a blessing:
```

```
#
```

```
# May you do good and not evil.
```

```
# May you find forgiveness for yourself and forgive others.
```

```
# May you share freely, never taking more than you give.
```

```
#
```

```
*****
```

```
# This file implements regression tests for SQLite library. The
```

```
# focus of this file is testing built-in functions.
```

```
#
```

```
# $Id: func.test,v 1.16.2.2 2004/07/18 21:14:05 drh Exp $
```

```
set testdir [file dirname $argv0]
```

```
source $testdir/tester.tcl
```

```
# Create a table to work with.
```

```
#
```

```
do_test func-0.0 {
```

```
execsql {CREATE TABLE tb1(t1 text)}
```

```
foreach word {this program is free software} {
```

```
    execsql "INSERT INTO tb1 VALUES('$word')"
```

```
}
```

```
execsql {SELECT t1 FROM tb1 ORDER BY t1}
```

```
} {free is program software this}
```

```
do_test func-0.1 {
```

```
execsql {
```

```
    CREATE TABLE t2(a);
```

```
INSERT INTO t2 VALUES(1);
```

```
INSERT INTO t2 VALUES(NULL);
```

```
INSERT INTO t2 VALUES(345);
```

```
INSERT INTO t2 VALUES(NULL);
```

```
INSERT INTO t2 VALUES(67890);
```

```
SELECT * FROM t2;
```

```
}
```

```
} {1 {} 345 {} 67890}
```

```

# Check out the length() function
#
do_test func-1.0 {
  execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {4 2 7 8 4}
do_test func-1.1 {
  set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
  lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
  set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
  lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
  execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
          ORDER BY length(t1)}
} {2 1 4 2 7 1 8 1}
do_test func-1.4 {
  execsql {SELECT coalesce(length(a),-1) FROM t2}
} {1 -1 3 -1 5}

```

```

# Check out the substr() function
#
do_test func-2.0 {
  execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
}
{fr is pr so th}
do_test func-2.1 {
  execsql {SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1}
} {r s r o h}
do_test func-2.2 {
  execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} {ee {} ogr ftw is}
do_test func-2.3 {
  execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.4 {
  execsql {SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.5 {
  execsql {SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1}
} {e i a r i}
do_test func-2.6 {
  execsql {SELECT substr(t1,-2,2) FROM tbl1 ORDER BY t1}
} {ee is am re is}
do_test func-2.7 {
  execsql {SELECT substr(t1,-4,2) FROM tbl1 ORDER BY t1}
} {fr {} gr wa th}

```

```

do_test func-2.8 {
    execsql {SELECT t1 FROM tbl1 ORDER BY substr(t1,2,20)}
} {this software free program is}
do_test func-2.9 {
    execsql {SELECT substr(a,1,1) FROM t2}
} {1 {} 3 {} 6}
do_test func-2.10 {
    execsql {SELECT substr(a,2,2) FROM t2}
} {{} {} 45 {} 78}

# Only do the following tests if TCL has UTF-8 capabilities and
# the
    UTF-8 encoding is turned on in the SQLite library.
#
if {[sqlite -encoding]==="UTF-8" && "\u1234"!="u1234"} {

# Put some UTF-8 characters in the database
#
do_test func-3.0 {
    execsql {DELETE FROM tbl1}
    foreach word "contains UTF-8 characters hi\u1234ho" {
        execsql "INSERT INTO tbl1 VALUES('$word')"
    }
    execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hi\u1234ho"
do_test func-3.1 {
    execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}
do_test func-3.2 {
    execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}
do_test func-3.3 {
    execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"
do_test func-3.4 {
    execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on i\u1234"
do_test func-3.5 {
    execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont i\u1234h"
do_test func-3.6 {
    execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "F- ar nt \u1234h"
do_test func-3.7 {
    execsql {SELECT
        substr(t1,4,2) FROM tbl1 ORDER BY t1}
} "-8 ra ta ho"
do_test func-3.8 {

```

```

execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.9 {
execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
} "F- er in \u1234h"
do_test func-3.10 {
execsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
} "TF- ter ain i\u1234h"
do_test func-3.99 {
execsql {DELETE FROM tbl1}
foreach word {this program is free software} {
execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1}
} {this program is free software}

} ;# End [sqlite -encoding]==UTF-8 and \u1234!=u1234

# Test the abs() and round() functions.
#
do_test func-4.1 {
execsql {
CREATE TABLE t1(a,b,c);
INSERT INTO t1 VALUES(1,2,3);
INSERT INTO t1 VALUES(2,1.2345678901234,-12345.67890);
INSERT INTO t1 VALUES(3,-2,-5);
}
catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
do_test func-4.2 {
catchsql {SELECT abs() FROM t1}
} {1 {wrong number
of arguments to function abs()}}
do_test func-4.3 {
catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 {2 1.2345678901234 2}}
do_test func-4.4 {
catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 {3 12345.67890 5}}
do_test func-4.4.1 {
execsql {SELECT abs(a) FROM t2}
} {1 {} 345 {} 67890}
do_test func-4.4.2 {
execsql {SELECT abs(t1) FROM tbl1}
} {this program is free software}

do_test func-4.5 {
catchsql {SELECT round(a,b,c) FROM t1}

```

```

} {1 {wrong number of arguments to function round()}}
do_test func-4.6 {
catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
} {0 {-2.00 1.23 2.00}}
do_test func-4.7 {
catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
} {0 {2 1 -2}}
do_test func-4.8 {
catchsql {SELECT round(c) FROM t1 ORDER BY a}
} {0 {3 -12346 -5}}
do_test func-4.9 {
catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
} {0 {3.0 -12345.68 -5.000}}
do_test func-4.10 {
catchsql {SELECT 'x' || round(c,a) || 'y' FROM t1 ORDER BY a}
} {0 {x3.0y x-12345.68y x-5.000y}}
do_test func-4.11
{
catchsql {SELECT round() FROM t1 ORDER BY a}
} {1 {wrong number of arguments to function round()}}
do_test func-4.12 {
execsql {SELECT coalesce(round(a,2),'nil') FROM t2}
} {1.00 nil 345.00 nil 67890.00}
do_test func-4.13 {
execsql {SELECT round(t1,2) FROM tb1}
} {0.00 0.00 0.00 0.00 0.00}

```

# Test the upper() and lower() functions

```

#
do_test func-5.1 {
execsql {SELECT upper(t1) FROM tb1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
execsql {SELECT lower(upper(t1)) FROM tb1}
} {this program is free software}
do_test func-5.3 {
execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
do_test func-5.4 {
catchsql {SELECT upper(a,5) FROM t2}
} {1 {wrong number of arguments to function upper()}}
do_test func-5.5 {
catchsql {SELECT upper(*) FROM t2}
} {1 {wrong number of arguments to function upper()}}

```

# Test the coalesce() and nullif() functions

```

#
do_test func-6.1 {

```

```

execsql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test
func-6.2 {
execsql {SELECT coalesce(upper(a),'nil') FROM t2}
} {1 nil 345 nil 67890}
do_test func-6.3 {
execsql {SELECT coalesce(nullif(1,1),'nil')}
} {nil}
do_test func-6.4 {
execsql {SELECT coalesce(nullif(1,2),'nil')}
} {1}
do_test func-6.5 {
execsql {SELECT coalesce(nullif(1,NULL),'nil')}
} {1}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
execsql {SELECT last_insert_rowid()}
} [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
do_test func-8.1 {
execsql {
SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
}
} {68236 3 22745.33 1 67890 5}
do_test func-8.2 {
execsql {
SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t2;
}
} {z+67890abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ}
do_test func-8.3 {
execsql {
CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
SELECT min('z+'||a||'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
}
} {z+1abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ}
do_test
func-8.4 {
execsql {
SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ') FROM t3;
}
} {z+67890abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ}

```

```

# How do you test the random() function in a meaningful, deterministic way?
#
do_test func-9.1 {
    execsql {
        SELECT random() is not null;
    }
} {1}

# Use the "sqlite_register_test_function" TCL command which is part of
# the text fixture in order to verify correct operation of some of
# the user-defined SQL function APIs that are not used by the built-in
# functions.
#
db close
set ::DB [sqlite db test.db]
sqlite_register_test_function $::DB testfunc
do_test func-10.1 {
    catchsql {
        SELECT testfunc(NULL,NULL);
    }
} {1 {first argument to test function may not be NULL}}
do_test func-10.2 {
    execsql {
        SELECT testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'int', 1234
        );
    }
} {1234}
do_test func-10.3 {
    execsql {
        SELECT
        testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'string', NULL
        );
    }
} {{{}}
do_test func-10.4 {
    execsql {
        SELECT testfunc(
            'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
            'double', 1.234
        );
    }
} {1.234}
do_test func-10.5 {
    execsql {

```



```

SELECT testfunc(
  'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
  'int', 1234,
  'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
  'string', NULL,
  'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
  'double', 1.234,
  'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
  'int', 1234,
  'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
  'string', NULL,
  'string', 'abcdefghijklmnopqrstuvwxyABCDEFGHIJKLMNOPQRSTUVWXYZ',
  'double', 1.234
);
}
} {1.234}

```

# Test the built-in sqlite\_version(\*) SQL function.

```

#
do_test func-11.1 {
  execsql {

    SELECT sqlite_version(*)
  }
} [sqlite -version]

```

finish\_test

Found in path(s):

\* /opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/test/func.test

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```

/*
** The "printf" code that follows dates from the 1980's. It is in
** the public domain. The original comments are included here for
** completeness. They are very out-of-date but might be useful as
** an historical reference. Most of the "enhancements" have been backed
** out so that the functionality is now the same as standard printf().
**
*****
**
** The following modules is an enhanced replacement for the "printf" subroutines
** found in the standard C library. The following enhancements are
** supported:
**
** + Additional functions. The standard set of "printf" functions
** includes printf, fprintf, sprintf, vprintf, vfprintf, and
** vsprintf. This module adds the following:

```

```

**
**      * snprintf -- Works like sprintf, but has an extra argument
**              which is the size of the buffer written
to.
**
**      * mprintf -- Similar to sprintf. Writes output to memory
**              obtained from malloc.
**
**      * xprintf -- Calls a function to dispose of output.
**
**      * nprintf -- No output, but returns the number of characters
**              that would have been output by printf.
**
**      * A v- version (ex: vsnprintf) of every function is also
**              supplied.
**
** + A few extensions to the formatting notation are supported:
**
**      * The "=" flag (similar to "-") causes the output to be
**              be centered in the appropriately sized field.
**
**      * The %b field outputs an integer in binary notation.
**
**      * The %c field now accepts a precision. The character output
**              is repeated by the number of times the precision specifies.
**
**      * The %' field works like %c, but takes as its character the
**              next character of the
format string, instead of the next
**              argument. For example, printf("%.78'") prints 78 minus
**              signs, the same as printf("%.78c", '-').
**
** + When compiled using GCC on a SPARC, this version of printf is
**              faster than the library printf for SUN OS 4.1.
**
** + All functions are fully reentrant.
**
*/

```

Found in path(s):

\* /opt/cola/permits/1151440481\_1663906961.0080585/0/sqlite-2-8-17-orig-11-tar-gz/sqlite-2.8.17/src/printf.c

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```
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```

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```
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```

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

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## 1.430 fdisk 2.36.2

### 1.430.1 Available under license :

```
NR START  END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M 8f8378c0-02
5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M
7zXZF!t/5]oK3&K6Y^
CP#vMOoYL?6]2z({CLYj0
LFIU<>Q& }7!C}e6]]e`M,J}.dE,4hVmp
RsTk!|r!Quo1OE|FfP+A}XBT9 \<
0<P9{>s{36R)m.S(bCb7S<DP(`ka")^oy`r)7I%tU6@AS.SMoOfF3whA!!WIMcK')e/eJ1F
g\BI'W|j>jf_ {JPP}oMd3rfQ+} _3<%<6jx { }11D5eg;NtD+~R]w[xiue@F#Em0hu;,,x{R7V2!Vq~AG{EX -
"0h*5x)*x\n)#I$*w!:499X1il:"P+=22cmr3J}/0o9nlB?N&(q=$pPc!ab,6f&v/RS>O./OW[INy(BM~]-uf$Ngl"_W[0;
OXY[aB*"/_U~fQHO(3[b%o )+lq#+_d<QdLd=$1p!h0h6nfN=I+GNRk gKOL3\N3"uGxfIC
zCTJtjSN:$gE11QQ$7*5++V=4Xt9V?r3_Vd2o8h"F8~qM,ZI6=Qgtw|11np#_(+?)zp(;H!E2Nz'WW_WmA,
FSYZE*-exTWFt#|
rd>k\R>aXrvXS~"9=U$puaqQb;\k,RD5(fu&#
?}w!nz>SbvY[R+t[ BS=)d ;*!;_>KfBqxY(F|0.Ve%S61opMG
1%QsS|11np#_(~*uM%S61opMG`YfRXvY[R+t[ BS=)d ;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[
BS=)d ;*!;_>KfB }&ea)F~H#@|DExb
```

Fw=|

; }8SPT" \_p;27 \*,D-sS|11np#\_(~\*'uM%S61opMG`B=gD7-`rFTvDY(F|0.Ve%S61opMG`YfRXvY[R+t[ BS=)d  
;\*!;\_>KfBqxY(F|0.Ve%S61opMG`YfRXx+sS|11np#\_(~\*'uM%S61opMG`YfRXvY[R+t[ BS=)d  
;\*!;\_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[ BS=)d;\*!;\_>KfBqxY(F|0.Ve%Q?f\_{+T@Uo)2fgYZ

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Version 2.1, February 1999

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## 1.431 python-pip 20.0.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team.

In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software



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Release	Derived from	Year	Owner	GPL-compatible? (1)
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
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- Chris McDonough, 2011/02/16

- Wichert Akkerman, 2012/02/02

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same

year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes

2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
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2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
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2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
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2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities  
(CA). These were automatically extracted from Mozilla's root certificates  
file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore  
can be directly used with curl / libcurl / php\_curl, or with  
an Apache+mod\_ssl webserver for SSL client authentication.  
Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

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## 1.432 attrs 20.3.0

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# 1.433 click 7.1.2

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# binary only, patch it back to the system, and then use a wrapper

Found in path(s):

```
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/src/click/_compat.py
```

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```
import io
import re
```

```
from setuptools import find_packages
from setuptools import setup
```

```
with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()
```

```
with io.open("src/click/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*?)"', f.read()).group(1)
```

```
setup(
    name="click",
    version=version,
    url="https://palletsprojects.com/p/click/",
    project_urls={
        "Documentation": "https://click.palletsprojects.com/",
        "Code": "https://github.com/pallets/click",
        "Issue tracker": "https://github.com/pallets/click/issues",
    },
    license="BSD-3-Clause",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="Composable command line interface toolkit",
    long_description=readme,
    packages=find_packages("src"),
    package_dir={"": "src"},
    include_package_data=True,
    python_requires=">=2.7, !=3.0.*",
)
```

```
!=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
classifiers=[
    "Development Status :: 5 - Production/Stable",
    "Intended Audience :: Developers",
    "License :: OSI Approved :: BSD License",
    "Operating System :: OS Independent",
    "Programming Language :: Python",
    "Programming Language :: Python :: 2",
    "Programming Language :: Python :: 3",
],
)
```

Found in path(s):

```
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/setup.py
```

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.. \_contrib:

```
=====
click-contrib
=====
```

As the userbase of Click grows, more and more major feature requests pop up in Click's bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why `click-contrib_` exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please

note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

.. \_click-contrib: <https://github.com/click-contrib/>

Found in path(s):

```
* /opt/cola/permits/1160566381_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/docs/contrib.rst
```

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Found in path(s):

\* /opt/cola/permits/1160566381\_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/src/click/parser.py

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Found in path(s):

\* /opt/cola/permits/1160566381\_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/LICENSE.rst

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Found in path(s):

\* /opt/cola/permits/1160566381\_1620335255.38/0/pallets-click-7-1-2-0-g1784558-1-tar-gz/pallets-click-1784558/tests/test\_formatting.py

## 1.434 cffi 1.14.5

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## 1.435 nfs-utils 2.5.3

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```
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```

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```

```
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```

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J. Bruce Fields <bfields@umich.edu>
```

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# 1.436 python-requests 2.25.1

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# 1.439 ply 3.11

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# PLY (Python Lex-Yacc)                      Version 3.11

[![Build Status](https://travis-ci.org/dabeaz/ply.svg?branch=master)](https://travis-ci.org/dabeaz/ply)

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## Introduction

=====

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.
- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.
- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.
- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.
- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

## How to Use

=====

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package.



To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```
import lex
import yacc
```

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

#### Requirements

=====

PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

#### Resources

=====

More information about PLY can be obtained on the PLY webpage at:

<http://www.dabeaz.com/ply>

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

<https://github.com/dabeaz/ply>

An old and relatively inactive discussion group for PLY is found at:

<http://groups.google.com/group/ply-hack>

## Acknowledgments

=====

A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

## Special Note for PLY-3.0

=====

PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

## Example

=====

Here is a simple example showing a PLY implementation of a calculator with variables.

```
# -----  
# calc.py  
#  
# A simple calculator with variables.  
# -----  
  
tokens = (  
    'NAME','NUMBER',  
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',  
    'LPAREN','RPAREN',  
)  
  
# Tokens  
  
t_PLUS = r'\+'  
t_MINUS = r'\-'  
t_TIMES = r'\*'  
t_DIVIDE = r'\/'  
t_EQUALS = r'='  
t_LPAREN = r'\('
```

```

t_RPAREN = r'\)'
t_NAME = r'[a-zA-Z][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r'\d+'
    t.value = int(t.value)
    return t

# Ignored characters
t_ignore = " \t"

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lexer
import ply.lex as lex
lex.lex()

# Precedence
rules for the arithmetic operators
precedence = (
    ('left', 'PLUS', 'MINUS'),
    ('left', 'TIMES', 'DIVIDE'),
    ('right', 'UMINUS'),
)

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    '''expression : expression PLUS expression
                  | expression MINUS expression
                  | expression TIMES expression
                  | expression DIVIDE expression'''
    if p[2] == '+': p[0] = p[1] + p[3]

```

```

elif p[2] == '-': p[0] = p[1] - p[3]
elif p[2] == '*': p[0] = p[1] * p[3]
elif p[2] == '/': p[0] = p[1] / p[3]

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN
expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ') # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

```

## Bug Reports and Patches

=====

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page

at <https://github.com/dabeaz/ply> to submit issues and pull requests. To contact me about bugs and/or new features, please send email to [dave@dabeaz.com](mailto:dave@dabeaz.com).

-- Dave

Found in path(s):

\* /opt/cola/permits/1160874329\_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/README.md

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\* /opt/cola/permits/1160874329\_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/yacc.py

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## 1.440 jinja2 2.11.3

### 1.440.1 Available under license :

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Metadata-Version: 2.1

Name: Jinja2

Version: 2.11.3

Summary: A very fast and expressive template engine.

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

Author: Armin Ronacher

Author-email: [armin.ronacher@active-4.com](mailto:armin.ronacher@active-4.com)

Maintainer: Pallets

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

License: BSD-3-Clause

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

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

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

Description: Jinja

=====

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can

use autoescaping to prevent XSS from untrusted user input.

- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing

-----

Install and update using ``pip`_`:

.. code-block:: text

```
$ pip install -U Jinja2
```

```
.. _pip:
```

```
https://pip.pypa.io/en/stable/quickstart/
```

In A Nutshell

-----

```
.. code-block:: jinja
```

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
{% for user in users %}
  <li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}
```

Links

-----

- Website: <https://palletsprojects.com/p/jinja/>
- Documentation: <https://jinja.palletsprojects.com/>
- Releases: <https://pypi.org/project/Jinja2/>
- Code: <https://github.com/pallets/jinja>
- Issue tracker: <https://github.com/pallets/jinja/issues>
- Test status: [https://dev.azure.com/pallets/jinja/\\_build](https://dev.azure.com/pallets/jinja/_build)
- Official chat: <https://discord.gg/t6rrQZH>

Platform: UNKNOWN

Classifier: Development

Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Classifier: Programming Language :: Python :: 3.8

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

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

Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*, !=3.4.\*

Description-Content-Type:

text/x-rst

Provides-Extra: i18n

Found in path(s):

\* /opt/cola/permits/1160876753\_1620411588.74/0/jinja2-2-11-3-1-tar-gz/Jinja2-2.11.3/PKG-INFO

\* /opt/cola/permits/1160876753\_1620411588.74/0/jinja2-2-11-3-1-tar-gz/Jinja2-2.11.3/src/Jinja2.egg-info/PKG-INFO

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```
import io
```

```
import re
```

```
from setuptools import find_packages
```

```
from setuptools import setup
```

```
with io.open("README.rst", "rt", encoding="utf8") as f:
```

```
    readme = f.read()
```

```
with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
```

```
    version = re.search(r'__version__ = "(.*?)"', f.read(), re.M).group(1)
```

```
setup(
```

```
    name="Jinja2",
```

```
    version=version,
```

```
    url="https://palletsprojects.com/p/jinja/",
```

```
    project_urls={
```

```
        "Documentation": "https://jinja.palletsprojects.com/",
```

```
        "Code": "https://github.com/pallets/jinja",
```

```
        "Issue tracker": "https://github.com/pallets/jinja/issues",
```

```
    },
```

```
    license="BSD-3-Clause",
```

```
    author="Armin Ronacher",
```

```
    author_email="armin.ronacher@active-4.com",
```

```
    maintainer="Pallets",
```

```
    maintainer_email="contact@palletsprojects.com",
```

```
    description="A very fast and expressive template engine.",
```

```
    long_description=readme,
```

```
    classifiers=[
```

```
        "Development Status
```

```
:: 5 - Production/Stable",
```

```
        "Environment :: Web Environment",
```



```

    "Intended Audience :: Developers",
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    "Operating System :: OS Independent",
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    "Programming Language :: Python :: 2",
    "Programming Language :: Python :: 2.7",
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    "Programming Language :: Python :: 3.5",
    "Programming Language :: Python :: 3.6",
    "Programming Language :: Python :: 3.7",
    "Programming Language :: Python :: 3.8",
    "Programming Language :: Python :: Implementation :: CPython",
    "Programming Language :: Python :: Implementation :: PyPy",
    "Topic :: Internet :: WWW/HTTP :: Dynamic Content",
    "Topic :: Software Development :: Libraries :: Python Modules",
    "Topic :: Text Processing :: Markup :: HTML",
],
packages=find_packages("src"),
package_dir={"": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},
)

```

Found in path(s):

\* /opt/cola/permits/1160876753\_1620411588.74/0/jinja2-2-11-3-1-tar-gz/Jinja2-2.11.3/setup.py

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/\*\*

\* markupsafe.\_speedups

\* ~~~~~

\*

\* C implementation of escaping for better performance. Used instead of  
\* the native Python implementation when compiled.

\*

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# 1.444 python-pip 19.2.3

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Contributors

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes

2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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2.0	1.6	2000	BeOpen.com	no

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2.1	2.0+1.6.1	2001	PSF	no
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2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
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2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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## 1.446 cython 0.29.22

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## 1.449 supervisor 4.2.1

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# 1.450 gcovr 4.1-3.ph3

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\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/README.rst

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Found in path(s):

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/txt\_generator.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/version.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/workers.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/summary\_generator.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/coverage.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/gcovr.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/html\_generator.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/cobertura\_xml\_generator.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/utils.py

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Metadata-Version: 1.2

Name: gcovr

Version: 4.1

Summary: A Python script for summarizing gcov data.

Home-page: <http://gcovr.com>

Maintainer: William Hart

Maintainer-email: [wehart@sandia.gov](mailto:wehart@sandia.gov)

License: BSD

Description: gcovr

=====  
..

generate GCC code coverage reports

[website\\_](#) • [documentation\\_](#) • [bugtracker\\_](#) • [`GitHub <repo>`\\_](#)

[|travis-ci-badge|](#) [|appveyor-ci-badge|](#) [|pypi-badge|](#) [|codecov-badge|](#) [|gitter-badge|](#)

.. begin abstract

Gcovr provides a utility for managing the use of the GNU gcov\_ utility and generating summarized code coverage results. This command is inspired by the Python coverage.py\_ package, which provides a similar

utility for Python.

The `gcovr` command can produce different kinds of coverage reports:

- default: compact human-readable summaries
- `--xml`:

machine readable XML reports in Cobertura\_ format

- `--html`: HTML summaries
- `--html-details`: HTML report with annotated source files

Thus, `gcovr` can be viewed

as a command-line alternative to the `lcov` utility, which runs `gcov` and generates an HTML-formatted report.

The development of `gcovr` was motivated by the need for text summaries and XML reports.

```
.. _gcov: http://gcc.gnu.org/onlinedocs/gcc/Gcov.html  
.. _coverage.py: http://nedbatchelder.com/code/coverage/  
.. _cobertura: http://cobertura.sourceforge.net/  
.. _lcov: http://ltp.sourceforge.net/coverage/lcov.php
```

```
.. end abstract
```

Example HTML summary:

```
.. image:: ./doc/images/screenshot-html.png
```

Example HTML details:

```
.. image:: ./doc/images/screenshot-html-details.example.cpp.png
```

```
.. begin links
```

```
.. _website:
```

```
http://gcovr.com/
```

```
.. _documentation: http://gcovr.com/guide.html
```

```
.. _repo: https://github.com/gcovr/gcovr/
```

```
.. _bugtracker: https://github.com/gcovr/gcovr/issues
```

```
.. |travis-ci-badge| image:: https://travis-ci.org/gcovr/gcovr.svg?branch=master
```

```
:target: https://travis-ci.org/gcovr/gcovr
```

```
:alt: Travis CI build status
```

```
.. |appveyor-ci-badge| image::
```

```
https://ci.appveyor.com/api/projects/status/6amtekih63rg9f2v/branch/master?svg=true
```

```
:target: https://ci.appveyor.com/project/latk/gcovr-0p8sb/branch/master
```

```
:alt: Appveyor CI build status
```

```
.. |pypi-badge| image:: https://img.shields.io/pypi/v/gcovr.svg
```

```
:target: https://pypi.python.org/pypi/gcovr
```

```
:alt: install from PyPI
```

```
.. |codecov-badge| image:: https://codecov.io/gh/gcovr/gcovr/branch/master/graph/badge.svg
:target: https://codecov.io/gh/gcovr/gcovr/branch/master
:alt: Codecov status
```

```
.. |gitter-badge| image:: https://badges.gitter.im/gcovr/gcovr.svg
:target: https://gitter.im/gcovr/gcovr
:alt: Gitter chat
```

```
.. end links
```

## Installation

-----

```
.. begin installation
```

Gcovr is available as a Python package that can be installed via pip\_.

```
.. _pip: https://pip.pypa.io/en/stable
```

Install newest stable ``gcovr`` release from PyPI:

```
.. code:: bash
```

```
    pip install gcovr
```

Install development version from GitHub:

```
.. code:: bash
```

```
    pip install git+https://github.com/gcovr/gcovr.git
```

```
.. end installation
```

## Quickstart

-----

```
.. begin quickstart
```

GCC can instrument the executables to emit coverage data.

You need to recompile your code with the following flags:

```
::
```

```
    -fprofile-arcs -ftest-coverage -g -O0
```

Next, run your test suite.

This will generate raw coverage files.

Finally, invoke gcovr.

This will print a tabular report on the console.

::

```
gcovr -r .
```

You can also generate detailed HTML reports:

::

```
gcovr -r . --html --html-details -o coverage.html
```

Gcovr will create one HTML report per source file next to the coverage.html summary.

You should run gcovr from the build directory.

The ``-r`` option should point to the root of your project.

This only matters if you have a separate build directory.

For complete documentation, read the `manual <documentation\_>`\_.

.. end quickstart

Contributing

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If you want to report a bug or contribute to gcovr development,  
please read our contributing guidelines first:

`<<https://github.com/gcovr/gcovr/blob/master/CONTRIBUTING.rst>>`\_

License

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Keywords: utility

Platform: any

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: End Users/Desktop

Classifier: Intended Audience :: Science/Research

Classifier: License :: OSI Approved

:: BSD License

Classifier: Natural Language :: English

Classifier: Operating System :: Microsoft :: Windows

Classifier: Operating System :: Unix

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Unix Shell

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

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*

Found in path(s):

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/PKG-INFO

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr.egg-info/PKG-INFO

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Found in path(s):

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/setup.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/\_\_main\_\_.py

\* /opt/cola/permits/1168678929\_1631631019.4/0/gcovr-4-1-tar-gz/gcovr-4.1/gcovr/\_\_init\_\_.py

# 1.451 pyserial 3.5

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## 1.456 bash 5.1.4

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

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

all:: image

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

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

image: \$(BSD\_LIB)

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

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

install-strip: install

install-shlibs-strip:: install-shlibs

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

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
```

\$(RM) -f ../\$(BSD\_LIB)

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

\*/

/\*

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

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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<one line to give the program's name and a brief idea of what it does.>  
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If the program is interactive, make it output a short notice like this  
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```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY;  
for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate  
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mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your  
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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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Theodore Ts'o  
23-June-2007

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

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

If the program is interactive, make it output a short notice like this  
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```
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Gnomovision  
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```

The hypothetical commands `show w' and `show c' should show the appropriate  
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necessary. Here is a sample; alter the names:

```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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



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This is the Debian GNU/Linux prepackaged version of the EXT2 file  
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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# 1.458 json-c 0.99.9

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## 1.459 lighttpd 1.4.59

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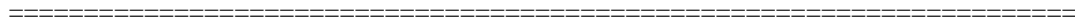
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Data model artifacts for Prometheus.

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

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# 1.462 mpclib 1.2.1

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cmd/krb5/iprof/iprof\_hdr.h  
cmd/krb5/kadmin/server/iprofd\_svc.c  
cmd/krb5/kproplog/kproplog.c  
cmd/krb5/slave/kpropd\_rpc.c  
lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c  
lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h  
lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c  
lib/krb5/kadm5/kadm\_host\_srv\_names.c  
lib/krb5/kdb/kdb\_convert.c  
lib/krb5/kdb/kdb\_hdr.h  
lib/krb5/kdb/kdb\_log.c  
lib/krb5/kdb/kdb\_log.h  
lib/libgss/g\_accept\_sec\_context.c  
lib/libgss/g\_acquire\_cred.c  
lib/libgss/g\_canon\_name.c  
lib/libgss/g\_compare\_name.c  
lib/libgss/g\_context\_time.c  
lib/libgss/g\_delete\_sec\_context.c  
lib/libgss/g\_dsp\_name.c  
lib/libgss/g\_dsp\_status.c  
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lib/libgss/g\_userok.c  
lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
uts/common/gssapi/include/mechglueP.h

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- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
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- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- lib/gssapi/mechglue/g\_rel\_name.c
- lib/gssapi/mechglue/g\_rel\_oid\_set.c
- lib/gssapi/mechglue/g\_seal.c
- lib/gssapi/mechglue/g\_sign.c
- lib/gssapi/mechglue/g\_store\_cred.c

lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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the  
following new or changed files:

include/iprop\_hdr.h  
kadmin/server/ipropd\_svc.c  
lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
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## 1.470 mtd-utils 2.1.2

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Version 3, 29 June 2007

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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## By Mike Hamburg (Stanford University), 2009

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## 1.473 libtasn 4.17.0

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- Chris McDonough, 2011/02/16

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities  
(CA). These were automatically extracted from Mozilla's root certificates  
file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore  
can be directly used with curl / libcurl / php\_curl, or with  
an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes



2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
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2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
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2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
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2.5	2.4	2006	PSF	yes
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2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes

3.1.1	3.1	2009	PSF	yes
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## 1.479 colors.js 1.3.3

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# 1.480 json-stream 1.3.5

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That's all there is to it!  
Mathieu Desnoyers  
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:

<https://lists.lttng.org/pipermail/lttng-dev/2009-May/012835.html>

I (Mathieu Desnoyers) re-implemented ACCESS\_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009 :

<http://lkml.org/lkml/2009/5/13/16>

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic\_ops project:

[http://www.hpl.hp.com/research/linux/atomic\\_ops/](http://www.hpl.hp.com/research/linux/atomic_ops/)

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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# 1.482 neon 0.30.2

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md5.hpp is a reformulation of the md5.h and md5.c code from <http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c> to allow it to function as a component of a header only library. This conversion was done by Peter Thorson ([webmaster@zaphoyd.com](mailto:webmaster@zaphoyd.com)) in 2012 for the WebSocket++ project. The changes are released under the same license as the original (listed below)

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Release	Derived	Year	Owner	GPL-
	from			compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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Found in path(s):

\* /opt/cola/permits/1237623621\_1638828111.96/0/fis-components-isarray-0-0-1-0-g1f8a1d4-tar-gz/fis-components-isarray-84d6fbc/README.md

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\* /opt/cola/permits/1238138242\_1638902542.49/0/spdx-exceptions-2-1-0-tgz/package/README.md

## 1.570 parallel-transform 1.1.0

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## 1.571 spdx-correct 3.0.0

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## 1.574 object-keys 1.0.12

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# 1.575 spdx-license-ids 3.0.5

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```
workflow "Test" {  
  on = "push"  
  resolves = ["npm"]  
}
```

```
action "npm" {  
  uses = "shinnn/actions-npm-alpine@1.0.0"  
  args = "install-ci-test"  
}  
root = true
```

```
[*]  
charset = utf-8  
end_of_line = lf  
indent_style = tab  
tab_width = 2  
insert_final_newline = true  
trim_trailing_whitespace = true
```

```
[*.{md,yml}]  
indent_style = space
```

```
[*.md]  
trim_trailing_whitespace = false  
* text=auto  
# spdx-license-ids
```

```
[![npm version](https://img.shields.io/npm/v/spdx-license-ids.svg)](https://www.npmjs.com/package/spdx-license-ids)  
[![Github Actions](https://action-badges.now.sh/shinnn/spdx-license-ids)](https://wdp9fww0r9.execute-api.us-west-2.amazonaws.com/production/results/shinnn/spdx-license-ids)
```

A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or  
[use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

```

npm install spdx-license-ids

```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript

const ids = require('spdx-license-ids');

//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true

ids.includes('CC-BY-1.0'); //=>

true

ids.includes('GPL-3.0'); //=> false

```

### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```javascript

const deprecatedIds = require('spdx-license-ids/deprecated');

//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false

deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true

```

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[\*.workflow]

indent\_style = space



# 1.576 read-cmd-shim 1.0.5

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## 1.580 read-installed 4.0.3

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## 1.581 resolve 1.10.0

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## 1.584 read-package-tree 5.3.1

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# 1.585 sorted-object 2.0.1

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## 1.589 query-string 6.8.2

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## 1.603 shared-mime-info 2.1

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include/bsd/vis.h  
man/bitstring.3bsd  
man/errc.3bsd  
man/explicit\_bzero.3bsd  
man/fgetln.3bsd  
man/fgetwln.3bsd  
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man/unvis.3bsd  
man/vis.3bsd  
man/wcslcpy.3bsd  
src/getbsize.c  
src/heapsort.c  
src/merge.c  
src/nlist.c  
src/pwcache.c  
src/radixsort.c  
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man/timeval.3bsd  
src/fmtcheck.c  
src/humanize\_number.c  
src/stringlist.c  
src/strtonum.c

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man/closefrom.3bsd  
man/expand\_number.3bsd  
man/flopen.3bsd

man/getpeereid.3bsd

man/pidfile.3bsd

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man/readpassphrase.3bsd  
man/strncpy.3bsd  
man/strtonum.3bsd  
src/arc4random.c  
src/arc4random\_linux.h  
src/arc4random\_openbsd.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/arc4random\_win.h  
src/closefrom.c

src/freezero.c  
src/getentropy\_aix.c  
src/getentropy\_bsd.c  
src/getentropy\_hpux.c  
src/getentropy\_hurd.c  
src/getentropy\_linux.c  
src/getentropy\_osx.c  
src/getentropy\_solaris.c  
src/getentropy\_win.c  
src/readpassphrase.c  
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# 1.605 libvirt 6.3.0

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## 1.607 dtc 1.6.0

### 1.607.1 Available under license :

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=====

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David Gibson <david@gibson.dropbear.id.au>

(principal original author of dtc and libfdt)

2 November 2007

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```
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## 1.608 qemu 5.2.0

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```
project('bar', 'c', license: 'Apache')

executable('bar', 'bar.c')

license = meson.project_license()[0]
if license != 'Apache'
    error("The license should be Apache, but it is: " + license)
endif
bsd_user_ss.add(files(
    'bsdload.c',
    'elfload.c',
    'main.c',
    'mmap.c',
    'signal.c',
    'strace.c',
    'syscall.c',
    'uaccess.c',
))
```

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Stefan Reinauer

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```

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Ty Coon, President of Vice
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```

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TARGET_ALIGNED_ONLY=y
```

```
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```

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TARGET\_ARCH=x86\_64  
TARGET\_BASE\_ARCH=i386  
TARGET\_XML\_FILES= gdb-xml/i386-64bit.xml  
Index: debug.c

=====

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v

retrieving revision 1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- debug.c 7 Sep 2007 10:01:21 -0000 1.1

+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3

@@ -52,7 +52,11 @@

void X86EMU\_trace\_regs (void)

{

    if (DEBUG\_TRACE()) {

-    x86emu\_dump\_regs();

+ if (M.x86.mode & (SYSMODE\_PREFIX\_DATA | SYSMODE\_PREFIX\_ADDR)) {

+    x86emu\_dump\_xregs();

+ } else {

```

+   x86emu_dump_regs();
+ }
+ }
+   if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
+       printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
+   for (i=0; i< M.x86.enc_pos; i++) {
+       sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
+   }
-   printk("%-20s",buf1);
+   printk("%-20s ",buf1);
+ }

```

static void print\_decoded\_instruction (void)

Index: ops2.c

=====  
RCS file:

/cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v

retrieving revision 1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1

+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3

@@ -149,8 +149,69 @@

```

+   target += (s16) M.x86.R_IP;
+   DECODE_PRINTF2("%04x\n", target);
+   TRACE_AND_STEP();
-   if (cond)
+   if (cond) {
+       M.x86.R_IP = (u16)target;
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+   }
+   DECODE_CLEAR_SEGOVR();
+   END_OF_INSTR();
+ }
+
+ /*****

```

+REMARKS:

+Handles opcode 0x0f,0xC8-0xCF

+\*\*\*\*\*/

+s32 x86emu\_bswap(s32 reg)

```

+{
+ // perform the byte swap
+ s32 temp = reg;
+ reg = (temp & 0xFF000000) >> 24;
+ reg |= (temp & 0xFF0000) >> 8;
+ reg |= (temp & 0xFF00) << 8;
+ reg |= (temp & 0xFF) << 24;

```

```

+ return reg;
+ }
+
+ void x86emuOp2_bswap(u8 op2)
+ {
+
+     /* byte swap 32 bit register */
+     START_OF_INSTR();
+     DECODE_PRINTF("BSWAP\t");
+     switch (op2) {
+     case 0xc8:
+         DECODE_PRINTF("EAX\n");
+         M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+         break;
+     case 0xc9:
+         DECODE_PRINTF("ECX\n");
+         M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+         break;
+     case 0xca:
+         DECODE_PRINTF("EDX\n");
+         M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+         break;
+     case 0xcb:
+         DECODE_PRINTF("EBX\n");
+         M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+         break;
+     case 0xcc:
+         DECODE_PRINTF("ESP\n");
+         M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+         break;
+     case 0xcd:
+         DECODE_PRINTF("EBP\n");
+         M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+         break;
+     case 0xce:
+         DECODE_PRINTF("ESI\n");
+         M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+         break;
+     case 0xcf:
+         DECODE_PRINTF("EDI\n");
+         M.x86.R_EDI
+         = x86emu_bswap(M.x86.R_EDI);
+         break;
+     }
+     TRACE_AND_STEP();
+     DECODE_CLEAR_SEGOVR();
+     END_OF_INSTR();
+ }

```

```

@@ -1702,14 +1763,14 @@
/* 0xc5 */ x86emuOp2_illegal_op,
/* 0xc6 */ x86emuOp2_illegal_op,
/* 0xc7 */ x86emuOp2_illegal_op,
-/* 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,
+/* 0xcb */ x86emuOp2_bswap,
+/* 0xcc */ x86emuOp2_bswap,
+/* 0xcd */ x86emuOp2_bswap,
+/* 0xce */ x86emuOp2_bswap,
+/* 0xcf */ x86emuOp2_bswap,

/* 0xd0 */ x86emuOp2_illegal_op,
/* 0xd1 */ x86emuOp2_illegal_op,

```

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ops.c

```

=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v

```

retrieving revision 1.1

diff -u -u -r1.1 ops.c

--- ops.c 7 Sep 2007 10:01:21 -0000 1.1

+++ ops.c 20 Mar 2008 16:52:00 -0000

```

@@ -1061,7 +1061,11 @@

```

```

    imm = (s8)fetch_byte_imm();
    DECODE_PRINTF2("PUSH\t%d\n", imm);
    TRACE_AND_STEP();
-   push_word(imm);
+   if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+       push_long(imm);
+   } else {
+       push_word(imm);
+   }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}

```

```

@@ -1256,8 +1260,10 @@

```

```

    target = (u16)(M.x86.R_IP + (s16)offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();

```



```

-   if (cond)
+   if (cond) {
        M.x86.R_IP = target;
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+   }
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
    }
@@ -2516,9 +2522,11 @@
        count = 1;
        if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE))
        {
            /* dont care whether REPE or REPNE */
-           /* move them until CX is ZERO. */
-           count = M.x86.R_CX;
+           /* move them until (E)CX is ZERO. */
+           count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
            M.x86.R_CX = 0;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX = 0;
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        }
        while (count--> 0) {
@@ -2526,6 +2534,8 @@
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
            M.x86.R_SI += inc;
            M.x86.R_DI += inc;
+           if (M.x86.intr & INTR_HALTED)
+               break;
        }
        DECODE_CLEAR_SEGOVR();
        END_OF_INSTR();
@@ -2559,9 +2569,11 @@
        count = 1;
        if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
            /* dont care whether REPE or REPNE */
-           /* move them until CX is ZERO. */
-           count = M.x86.R_CX;
+           /* move them until (E)CX is ZERO. */
+           count = (M.x86.mode
& SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
            M.x86.R_CX = 0;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX = 0;
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        }
        while (count--> 0) {
@@ -2574,6 +2586,8 @@

```

```

    }
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2598,16 +2612,21 @@

    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val1 = fetch_data_byte(M.x86.R_SI);
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_byte(val1, val2);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+
+               M.x86.R_ECX -= 1;
+           else
+               M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
            M.x86.R_DI += inc;
            if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
            if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+           if (M.x86.intr & INTR_HALTED)
+               break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2644,8 +2663,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val1 = fetch_data_long(M.x86.R_SI);
                val2 = fetch_data_long_abs(M.x86.R_ES,
M.x86.R_DI);
@@ -2655,11 +2674,16 @@
                val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);

```

```

        cmp_word((u16)val1, (u16)val2);
    }
-   M.x86.R_CX -= 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
    if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /*
+       move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX -= 1;
+           else
+               M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
+           if (M.x86.intr & INTR_HALTED)
+               break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2783,9 +2812,11 @@
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       count = M.x86.R_CX;
+       /* move them until (E)CX is ZERO. */
+       count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX = 0;

```

```

M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
@@ -2795,6 +2826,8 @@
    store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
}
M.x86.R_DI += inc;
+   if (M.x86.intr & INTR_HALTED)
+       break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2817,11 +2850,16 @@
    inc = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX -= 1;
+           else
+               M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
+           if (M.x86.intr & INTR_HALTED)
+
            break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2859,9 +2897,11 @@
        count = 1;
        if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
            /* dont care whether REPE or REPNE */
-           /* move them until CX is ZERO. */
-           count = M.x86.R_CX;
+           /* move them until (E)CX is ZERO. */
+           count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
            M.x86.R_CX = 0;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX = 0;
            M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
        }
        while (count--) {

```

```

@@ -2871,6 +2911,8 @@
    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
    }
    M.x86.R_SI += inc;
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2894,26 +2936,36 @@
    inc = 1;
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /*
    REPE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
-       M.x86.R_CX --;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX --;
+       else
+           M.x86.R_CX --;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
+       if (M.x86.intr & INTR_HALTED)
+           break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {

        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
-       M.x86.R_CX --;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX --;
+       else
+           M.x86.R_CX --;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF))

```

```

        break;      /* zero flag set means equal */
+       if (M.x86.intr & INTR_HALTED)
+       break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX,
val);
@@ -2960,16 +3012,21 @@
                val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_word(M.x86.R_AX, (u16)val);
            }
-       M.x86.R_CX -= 1;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+       else
+       M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
+       if (M.x86.intr & INTR_HALTED)
+       break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX,
val);
@@ -2977,10 +3034,15 @@
                val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_word(M.x86.R_AX, (u16)val);
            }

```

```

-     M.x86.R_CX -= 1;
+     if (M.x86.mode & SYSMODE_32BIT_REP)
+         M.x86.R_ECX -= 1;
+     else
+         M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF))
            break;      /* zero flag set means equal */
+     if (M.x86.intr & INTR_HALTED)
+         break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -3238,9 +3300,9 @@
    DECODE_PRINTF("RET\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3254,9 +3316,9
@@
{
    START_OF_INSTR();
    DECODE_PRINTF("RET\n");
- RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -3471,10 +3533,10 @@
    DECODE_PRINTF("RETF\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();

```

```

@@ -3488,10 +3550,10 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
    TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4041,8 +4106,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4062,8 +4130,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0)

```



```

+  if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+    M.x86.R_ECX -= 1;
+  else
+    M.x86.R_CX -= 1;
+  if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0) /* (E)CX != 0 */
+    M.x86.R_IP = ip;
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
@@ -4085,8 +4156,10 @@
+    target = (u16)(M.x86.R_IP + offset);
+    DECODE_PRINTF2("%x\n", target);
+    TRACE_AND_STEP();
-  if (M.x86.R_CX == 0)
+  if (M.x86.R_CX == 0) {
+    M.x86.R_IP = target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+ }
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
}
@@ -4213,6 +4286,7 @@
+    ip = (s16)fetch_word_imm();
+    ip += (s16)M.x86.R_IP;
+    DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs,
M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
+    TRACE_AND_STEP();
+    M.x86.R_IP = (u16)ip;
+    DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
+    cs = fetch_word_imm();
+    DECODE_PRINTF2("%04x:", cs);
+    DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
+    TRACE_AND_STEP();
+    M.x86.R_IP = ip;
+    M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
+    offset = (s8)fetch_byte_imm();
+    target = (u16)(M.x86.R_IP + offset);
+    DECODE_PRINTF2("%x\n", target);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
+    TRACE_AND_STEP();
+    M.x86.R_IP = target;
+    DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
+    DECODE_PRINTF("REPNE\n");
+    TRACE_AND_STEP();

```

```

M.x86.mode |= SYSMODE_PREFIX_REPNE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+   M.x86.mode |= SYSMODE_32BIT_REP;
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
  DECODE_PRINTF("REPE\n");
  TRACE_AND_STEP();
  M.x86.mode |= SYSMODE_PREFIX_REPE;
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+   M.x86.mode |= SYSMODE_32BIT_REP;
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
    break;
  case 4:      /* jmp word ptr ... */
    destval = fetch_data_word(destoffset);
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
    TRACE_AND_STEP();
    M.x86.R_IP = destval;
    break;
  case 5:      /* jmp far ptr ... */
    destval = fetch_data_word(destoffset);
    destval2 = fetch_data_word(destoffset + 2);
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = destval;
    M.x86.R_CS = destval2;

```

Index: prim\_ops.c

=====  
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim\_ops.c,v

retrieving revision

1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- prim\_ops.c 7 Sep 2007 10:01:21 -0000 1.1

+++ prim\_ops.c 16 Jan 2008 14:18:15 -0000 1.3

@@ -1921,7 +1921,7 @@

void imul\_long\_direct(u32 \*res\_lo, u32\* res\_hi,u32 d, u32 s)

{

#ifdef \_\_HAS\_LONG\_LONG\_\_

- s64 res = (s64)d \* (s64)s;

+ s64 res = (s64)(s32)d \* (s64)(s32)s;

\*res\_lo = (u32)res;

\*res\_hi = (u32)(res >> 32);

```

@@ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
#ifdef __HAS_LONG_LONG__
- u64 res = (u32)M.x86.R_EAX * (u32)s;
+ u64 res = (u64)M.x86.R_EAX * s;

M.x86.R_EAX = (u32)res;
M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
/* dont care whether REPE or REPNE */
- /* in until CX is ZERO. */
- u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ /* in until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
M.x86.R_ECX : M.x86.R_CX);
-
while (count--) {
single_in(size);
M.x86.R_DI += inc;
}
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
M.x86.R_ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
/* dont care whether REPE or REPNE */
- /* out until CX is ZERO. */
- u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ /* out until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
M.x86.R_ECX : M.x86.R_CX);
while (count--) {
single_out(size);
M.x86.R_SI += inc;
}
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
M.x86.R_ECX = 0;
}
M.x86.mode

```

```
&= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
```

```
Index: sys.c
```

```
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
```

```
retrieving revision 1.1
```

```
retrieving revision 1.2
```

```
diff -u -u -r1.1 -r1.2
```

```
--- sys.c 7 Sep 2007 10:01:21 -0000 1.1
```

```
+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2
```

```
@@ -45,11 +45,6 @@
```

```
#include <x86emu/regs.h>
```

```
#include "debug.h"
```

```
#include "prim_ops.h"
```

```
+#ifndef LINUXBIOS_VERSION
```

```
+#include "io.h"
```

```
+#else
```

```
+#include <sys/io.h>
```

```
+#endif
```

```
#ifdef IN_MODULE
```

```
#include "xf86_ansi.h"
```

```
@@ -220,7 +215,7 @@
```

```
{
```

```
DB(if (DEBUG_IO_TRACE())
```

```
printk("inb %#04x \n", addr);
```

```
- return inb(addr);
```

```
+ return 0;
```

```
}
```

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

```
@@ -235,7 +230,7 @@
```

```
{
```

```
DB(if (DEBUG_IO_TRACE())
```

```
printk("inw %#04x \n", addr);
```

```
- return inw(addr);
```

```
+ return 0;
```

```
}
```

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

```
@@ -250,7 +245,7 @@
```

```
{
```

```
DB(if (DEBUG_IO_TRACE())
```

```
printk("inl %#04x \n", addr);
```

```
- return inl(addr);
```

```
+ return 0;
```

```
}
```

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

```

@@ -264,7 +259,6 @@
{
DB(if (DEBUG_IO_TRACE())
printk("outb %#02x -> %#04x \n", val, addr);)
- outb(val, addr);
return;
}

```

```

@@ -279,7 +273,6 @@
{
DB(if (DEBUG_IO_TRACE())
printk("outw %#04x -> %#04x \n", val, addr);)
- outw(val, addr);
return;
}

```

```

@@ -295,7 +288,6 @@
DB(if (DEBUG_IO_TRACE())
printk("outl %#08x -> %#04x \n", val, addr);)

- outl(val, addr);
return;
}

```

```

@@ -405,6 +397,6 @@

```

```

void X86EMU_setMemBase(void *base, size_t size)
{
- M.mem_base = (int) base;
+ M.mem_base = (unsigned long) base;
M.mem_size = size;
}

```

Index: include/x86emu/debug.h

```

=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v

```

retrieving revision 1.1

retrieving revision 1.4

diff -u -u -r1.1 -r1.4

--- include/x86emu/debug.h 7

Sep 2007 10:01:21 -0000 1.1

+++ include/x86emu/debug.h 20 Mar 2008 15:25:27 -0000 1.4

```

@@ -40,8 +40,6 @@

```

```

#ifndef __X86EMU_DEBUG_H

```

```

#define __X86EMU_DEBUG_H

```

```

-// #define DEBUG 0

```

```

-#undef DEBUG

```

```

/*----- Macros and type definitions -----*/

```

```

/* checks to be enabled for "runtime" */
@@ -78,6 +76,8 @@
# define DEBUG_SYSINT()      (M.x86.debug & DEBUG_SYSINT_F)
# define DEBUG_TRACECALL()  (M.x86.debug & DEBUG_TRACECALL_F)
# define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+# define DEBUG_TRACEJMP()   (M.x86.debug & DEBUG_TRACEJMP_F)
+# define DEBUG_TRACEJMPREGS() (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
# define DEBUG_SYS()        (M.x86.debug & DEBUG_SYS_F)
# define DEBUG_MEM_TRACE()  (M.x86.debug & DEBUG_MEM_TRACE_F)
# define DEBUG_IO_TRACE()   (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
# define DEBUG_SYSINT()      0
# define DEBUG_TRACECALL()   0
# define DEBUG_TRACECALLREGS() 0
+# define DEBUG_TRACEJMP()
+   0
+# define DEBUG_TRACEJMPREGS() 0
# define DEBUG_SYS()         0
# define DEBUG_MEM_TRACE()   0
# define DEBUG_IO_TRACE()    0
@@ -169,14 +171,20 @@
x86emu_dump_regs();
if (DEBUG_TRACECALL())
    printk("%04x:%04x: CALL %s%04x:%04x\n", u, v, s, w, x);
-# define RETURN_TRACE(n,u,v)
+# define RETURN_TRACE(u,v,w,x,s)
if (DEBUG_TRACECALLREGS())
    x86emu_dump_regs();
if (DEBUG_TRACECALL())
- printk("%04x:%04x: %s\n",u,v,n);
+ printk("%04x:%04x: RET %s %04x:%04x\n",u,v,s,w,x);
+# define JMP_TRACE(u,v,w,x,s)
+ if (DEBUG_TRACEJMPREGS()) \
+   x86emu_dump_regs(); \
+ if (DEBUG_TRACEJMP()) \
+   printk("%04x:%04x: JMP %s%04x:%04x\n", u, v, s, w, x);
#else
# define CALL_TRACE(u,v,w,x,s)
-#
define RETURN_TRACE(n,u,v)
+# define RETURN_TRACE(u,v,w,x,s)
+# define JMP_TRACE(u,v,w,x,s)
#endif

#ifndef DEBUG
Index: include/x86emu/regs.h
=====

```

```

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h 15 Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE 0x00000100
#define SYSMODE_PREFIX_DATA 0x00000200
#define SYSMODE_PREFIX_ADDR 0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP 0x00000800
#define SYSMODE_INTR_PENDING 0x10000000
#define SYSMODE_EXTRN_INTR 0x20000000
#define SYSMODE_HALTED 0x40000000
@@ -250,7 +253,8 @@
    SYSMODE_SEGOVR_GS  |\
    SYSMODE_SEGOVR_SS  |\
    SYSMODE_PREFIX_DATA  |\
-   SYSMODE_PREFIX_ADDR)
+   SYSMODE_PREFIX_ADDR  |\
+   SYSMODE_32BIT_REP)

#define INTR_SYNCH 0x1
#define INTR_ASYNCH 0x2
@@ -274,9 +278,9 @@
    */
    u32 mode;
    volatile int intr; /* mask of pending interrupts */
- int debug;
+ volatile int debug;
#ifdef DEBUG
- int check;
+ int check;
    u16 saved_ip;
    u16 saved_cs;
    int enc_pos;
Index: include/x86emu/x86emu.h

```

```

=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21
-0000 1.1
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@

```

```

#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
#define printk printf
#endif

@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F 0x004000
#define DEBUG_DECODE_NOPRINT_F 0x008000
#define DEBUG_SAVE_IP_CS_F 0x010000
+#define DEBUG_TRACEJMP_F 0x020000
+#define DEBUG_TRACEJMP_REGS_F 0x040000
#define DEBUG_SYS_F (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#ifdef __cplusplus
} /* End of "C" linkage for C++ */
#endif
-
#endif /* __X86EMU_X86EMU_H */
argparse is (c) 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.

```

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## History

-----

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John R. Hauser  
2018 January 20

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TARGET\_ARCH=sparc64

TARGET\_BASE\_ARCH=sparc

TARGET\_ALIGNED\_ONLY=y

TARGET\_WORDS\_BIGENDIAN=y

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#### Key Dates

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\* August 3, 2017

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```
=====  
= Change Description / Commit Message / Patch Email =  
=====
```

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

```
== Sample Change Description / Commit Message ==
```

```
=== Start of sample patch email message ===
```

```
From: Contributor Name <contributor@example.com>  
Subject: [Repository/Branch PATCH] Module: Brief-single-line-summary
```

```
Full-commit-message
```

```
Contributed-under: TianoCore Contribution Agreement 1.1
```

Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

==== End of sample patch email message ====

==== Notes for sample patch email ====

- \* The first line of commit message is taken from the email's subject line following [Repository/Branch PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
- \* git format-patch is one way to create this format

==== Definitions

for sample patch email ====

- \* "Repository" is the identifier of the repository the patch applies. This identifier should only be provided for repositories other than 'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
- \* "Branch" is the identifier of the branch the patch applies. This identifier should only be provided for branches other than 'edk2/master'. For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.
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- \* The entire first line should be less than ~70 characters.
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Contributions.txt: TianoCore Contribution Agreement 1.0

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=====



= Code Contributions =

=====

To make a contribution to a TianoCore project, follow these steps.

1. Create a change description in the format specified below to use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under"

message.

3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version. For example: Contributed-under: TianoCore Contribution Agreement 1.0  
The "TianoCore Contribution Agreement" is included below in this document.

4. Submit your code to the TianoCore project using the process that the project documents on its web page. If the process is not documented, then submit the code on development email list for the project.

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Contributions using other licenses might be accepted, but further review will be required.

=====

= Change Description / Commit Message / Patch Email =

=====

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>

Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under:

TianoCore Contribution Agreement 1.0

Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

==== End of sample patch email message ====

==== Notes for sample patch email ====

- \* The first line of commit message is taken from the email's subject line following [PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
- \* git format-patch is one way to create this format

==== Definitions for sample patch email ====

- \* "CodeModule" is a short identifier for the affected code. For example MdePkg, or MdeModulePkg UsbBusDxe.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
- \* "Full-commit-message" a verbose multiple line comment describing the change.

Each line should be less than ~70 characters.

- \* "Contributed-under" explicitly states that the contribution is made under the terms of the contribution agreement. This agreement is included below in this document.
- \* "Signed-off-by" is the contributor's signature identifying them by their real/legal name and their email address.

=====  
= TianoCore Contribution Agreement 1.0 =  
=====

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License-History.txt  
=====

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#### Key Dates

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\* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0 to Version 1.1 to cover open source documentation associated with the TianoCore project.

Version 1.0 covers source code files. Version 1.1 is a backwards compatible extension that adds support for document files in both source form and compiled form.

#### References:

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#### Proposals (RFCs):

<https://lists.01.org/pipermail/edk2-devel/2017-March/008654.html>

#### TianoCore Bugzilla:

[https://bugzilla.tianocore.org/show\\_bug.cgi?id=629](https://bugzilla.tianocore.org/show_bug.cgi?id=629)

\* April 9, 2019

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<https://lists.01.org/pipermail/edk2-devel/2019-February/036260.html>

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-----  
Contributions.txt: TianoCore Contribution Agreement 1.1  
-----

=====  
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=====

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1. Create a change description in the format specified below to use in the source control commit log.
  2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
  3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version.



For example: Contributed-under: TianoCore Contribution Agreement 1.1

The "TianoCore Contribution Agreement" is included below in this document.

4. Submit your code to the TianoCore project using the process that the project documents on its web page. If the process is not documented, then submit the code on development email list for the project.
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```
=====  
= Change Description / Commit Message / Patch Email =  
=====
```

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

```
== Sample Change Description / Commit Message ==
```

```
=== Start of sample patch email message ===
```

```
From: Contributor Name <contributor@example.com>  
Subject: [Repository/Branch  
PATCH] Module: Brief-single-line-summary
```

```
Full-commit-message
```

```
Contributed-under: TianoCore Contribution Agreement 1.1  
Signed-off-by: Contributor Name <contributor@example.com>
```

```
---
```

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

==== End of sample patch email message ====

==== Notes for sample patch email ====

- \* The first line of commit message is taken from the email's subject line following [Repository/Branch PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
- \* git format-patch is one way to create this format

==== Definitions for sample patch email ====

- \* "Repository" is the identifier of the repository the patch applies. This identifier should only be provided for repositories other than 'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
- \* "Branch" is the identifier of the branch the patch applies. This identifier should only be provided for branches other than 'edk2/master'. For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.
- \* "Module" is a short identifier for the affected code or documentation. For example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or 'EDK II INF File Format'.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
- \* "Full-commit-message" a verbose multiple line comment describing the change. Each line should be less than ~70 characters.
- \* "Contributed-under" explicitly states that the contribution is made under the terms of the contribution agreement. This agreement is included below in this document.
- \* "Signed-off-by" is the contributor's signature identifying them by their real/legal name and their email address.

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-----  
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-----

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```
=====
= Change Description / Commit Message / Patch Email =
=====
```

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

```
== Sample Change Description / Commit Message ==
```

```
=== Start of sample patch email message ===
```

```
From: Contributor Name <contributor@example.com>
Subject: [PATCH] CodeModule: Brief-single-line-summary
```

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.0  
Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or  
attached

==== End of sample patch email message ====

==== Notes for sample patch email ====

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- \* git format-patch is one way to create this format

==== Definitions for sample patch email ====

- \* "CodeModule" is a short identifier for the affected code. For example MdePkg, or MdeModulePkg UsbBusDxe.
- \* "Brief-single-line-summary" is a short summary of the change.
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John R. Hauser  
2018 January 20

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{ TARGET_FREEBSD_NR__acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_file, "__acl_aclcheck_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_link, "__acl_aclcheck_link", "%s(\"%s\", %d, %#x)", NULL, NULL
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{ TARGET_FREEBSD_NR__syscall, "__syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__sysctl, "__sysctl", NULL, print_sysctl, NULL },
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{ TARGET_FREEBSD_NR_access, "access", "%s(\"%s\",%#o)", NULL, NULL },
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{ TARGET_FREEBSD_NR_adjtime, "adjtime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chdir, "chdir", "%s(\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_chflags, "chflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chmod, "chmod", "%s(\"%s\",%#o)", NULL, NULL },
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{ TARGET_FREEBSD_NR_chroot, "chroot", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_connect, "connect", "%s(%d,%#x,%d)", NULL, NULL },
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{ TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)\n", NULL, NULL },
{ TARGET_FREEBSD_NR_extattrctl, "extattrctl", "%s(\"%s\", %d, \"%s\", %d, \"%s\"", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_fd, "extattr_delete_fd", "%s(%d, %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_file, "extattr_delete_file", "%s(\"%s\", %d, \"%s\")", NULL, NULL },
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{ TARGET_FREEBSD_NR_extattr_list_file, "extattr_list_file", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_link, "extattr_list_link", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
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},
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{ TARGET_FREEBSD_NR_fchflags, "fchflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchmod, "fchmod", "%s(%d,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_fchown, "fchown", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fcntl, "fcntl", NULL,
NULL, NULL },
{ TARGET_FREEBSD_NR_fexecve, "fexecve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_fhopen, "fhopen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstat, "fhstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstatfs, "fhstatfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_flock, "flock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fork, "fork", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_fpathconf, "fpathconf", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstat, "fstat", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatat, "fstatat", "%s(%d,\"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatfs, "fstatfs", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fsync, "fsync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ftruncate, "ftruncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_futimes, "futimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getcontext, "getcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getdirentries, "getdirentries", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd6_mmap,
"freebsd6_mmap", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getegid, "getegid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_geteuid, "geteuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getfh, "getfh", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getfsstat, "getfsstat", NULL, NULL, NULL },

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{ TARGET_FREEBSD_NR_getgid, "getgid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getgroups, "getgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getitimer, "getitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getlogin, "getlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpeername, "getpeername", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgid, "getpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgrp, "getpgrp", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpid, "getpid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getppid, "getppid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpriority, "getpriority", "%s(%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getresgid, "getresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresuid,
"getresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrlimit, "getrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrusage, "getrusage", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsid, "getsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockname, "getsockname", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockopt, "getsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_gettimeofday, "gettimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getuid, "getuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_ioctl, "ioctl", NULL, print_ioctl, NULL },
{ TARGET_FREEBSD_NR_issetugid, "issetugid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_kevent, "kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kill, "kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kqueue, "kqueue", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktrace, "ktrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lchown, "lchown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_link, "link", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_listen,
"listen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lpathconf, "lpathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_lseek, "lseek", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lstat, "lstat", "%s(\"%s\", %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_madvise, "madvise", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mincore, "mincore", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_minherit, "minherit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mkdir, "mkdir", "%s(\"%s\", %#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_mkfifo, "mkfifo", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mknod, "mknod", "%s(\"%s\", %#o, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, print_syscall_ret_addr },
{ TARGET_FREEBSD_NR_mount, "mount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%#x,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL
},
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },

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{ TARGET_FREEBSD_NR_msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s(\"%s\",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s(%d,\"%s\",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_pipe, "pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_profil,
"profil", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwrite, "pwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwritev, "pwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_read, "read", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s(\"%s\",%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmmsg, "recvmmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork, "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(%d, %d, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk,
"sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_select, "select", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semget, "semget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semop, "semop", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_setegid, "setegid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgid, "setgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },

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{ TARGET_FREEBSD_NR_setregid,
  "setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsockopt, "setsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_settimeofday, "settimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setuid, "setuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmat, "shmat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmctl, "shmctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmget, "shmget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaltstack, "sigaltstack", "%s(%p,%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sigpending,
  "sigpending", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigprocmask, "sigprocmask", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigreturn, "sigreturn", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigsuspend, "sigsuspend", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socket, "socket", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_statfs, "statfs", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", "%s(%#x, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(%d,
  %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(%d, %d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(%#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", "%s(%d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", "%s(%d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_wake, "thr_wake", "%s(%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", "%s(%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", "%s(\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_unmount, "unmount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },

```

```
{ TARGET_FREEBSD_NR_write, "write", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d,%p,%#x)",
  NULL, NULL },
```

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John R. Hauser  
2018 January 20

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## 1.609 grpcio-tools 1.37.0

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```
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1.37.0/third_party/protobuf/src/google/protobuf/io/zip_stream_unittest.sh  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
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\*  
\*/  
/\*\* Signal that the call is cacheable. GRPC is free to use GET verb \*/

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/gpr\_types.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/sync.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/resource\_quota.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/status\_code\_enum.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/create\_channel\_posix.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/compression\_types.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/test/server\_context\_test\_spouse.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/grpc\_root/include/grpcpp/impl/rpc\_service\_method.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/php\_plugin.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/propagation\_bits.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/status.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/core\_codegen.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/server\_initializer.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/channel\_interface.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/node\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/grpc\_posix.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/server\_builder\_plugin.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/connectivity\_state.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/server\_posix.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/grpc\_security\_constants.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/gpr\_slice.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/node\_generator\_helpers.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/node\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/php\_generator\_helpers.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/ext/health\_check\_service\_server\_builder\_option.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/rpc\_service\_method.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/health\_check\_service\_interface.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/grpc\_library.h

```

*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/src/compiler/php_generator.cc
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1.37.0/grpc_root/include/grpc++/support/async_stream.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/alarm.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/client_unary_call.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/ext/channelz_service_plugin.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/server_builder.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/security/credentials.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/security/server_credentials.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/server_interface.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/support/string_ref.h

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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/support/status_code_enum.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/sync_stream.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/proto_buffer_writer.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/channel_interface.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/support/channel_arguments.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/support/error_details.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/create_auth_context.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/call.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/channel_argument_option.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/rpc_method.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/support/config.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/interceptor.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/method_handler_impl.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/support/time.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/serialization_traits.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/callback_common.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/completion_queue.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/generic/async_generic_service.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/health_check_service_interface.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/rpc_service_method.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

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1.37.0/grpc\_root/include/grpc++/impl/codegen/grpc\_library.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/support/sync\_stream.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/ext/health\_check\_service\_server\_builder\_option.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/test/server\_context\_test\_spouse.h

\*

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/server\_initializer.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/generic/async\_generic\_service.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/security/auth\_metadata\_processor.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/call\_hook.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/call\_op\_set.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/service\_type.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/call\_op\_set\_interface.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/stub\_options.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/client\_interceptor.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/config\_protobuf.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/intercepted\_channel.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/client\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/interceptor\_common.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/support/stub\_options.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/resource\_quota.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/client\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/method\_handler\_impl.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/generic/generic\_stub.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/call.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/create\_channel\_posix.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/completion\_queue\_tag.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/thd\_id.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/test/mock\_stream.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/support/byte\_buffer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/ext/server\_load\_reporting.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/security/auth\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/string\_ref.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/server\_builder\_option.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/server.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/proto\_utils.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/core\_codegen\_interface.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/proto\_buffer\_writer.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/create\_channel.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/server\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/server\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/grpc++.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/impl/codegen/core\_codegen.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/support/slice.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc++/channel.h

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/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/rpc_method.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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1.37.0/grpc_root/include/grpc++/impl/codegen/async_unary_call.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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1.37.0/grpc_root/include/grpc++/server_posix.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/method_handler_impl.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/grpc_library.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/server_callback.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/client_callback.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/ext/proto_server_reflection_plugin.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/time.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/async_stream.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/serialization_traits.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/codegen/slice.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc++/impl/server_builder_plugin.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/proto_buffer_reader.h

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Found in path(s):

```
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/test/protoc_test.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/_parallel_compile_patch.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/setup.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc_version.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/protoc.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/test/BUILD.bazel
```

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```
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/command.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_root/src/compiler/BUILD  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/__init__.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/protoc_lib_deps.py  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/_protoc_compiler.pyx
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```
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_root/include/grpcpp/ext/admin_services.h  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/main.cc  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc_tools/main.h  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_tools/test/flawed_proto  
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
1.37.0/grpc_root/include/grpcpp/xds_server_builder.h
```

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/test/simple.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/test/simpler.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/test/simplest.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/test/complicated.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/security/tls\_certificate\_provider.h  
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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/security/auth\_context.h  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/ruby\_plugin.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/atm.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/byte\_buffer.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/csharp\_generator\_helpers.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/grpc\_root/include/grpcpp/alarm.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/slice.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/python\_plugin.cc

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/async\_generic\_service.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/rpc\_method.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/ruby\_generator\_string-inl.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/objective\_c\_generator\_helpers.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/compression.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/node\_plugin.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/client\_unary\_call.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/python\_private\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/byte\_buffer\_reader.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/grpc\_security.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/python\_generator\_helpers.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/create\_auth\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/atm.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/grpc\_library.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/config\_protobuf.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/generic/generic\_stub.h

```

* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc/status.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/src/compiler/csharp_plugin.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/src/compiler/csharp_generator.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/stub_options.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/client_interceptor.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/src/compiler/objective_c_generator.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/src/compiler/schema_interface.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/completion_queue.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/async_unary_call.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc/support/port_platform.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc/support/string_util.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/slice.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/security/auth_metadata_processor.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/core_codegen_interface.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/method_handler.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/completion_queue_tag.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc/impl/codegen/atm_windows.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/stub_options.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/serialization_traits.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/support/async_stream.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpcpp/impl/codegen/serialization_traits.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_root/include/grpc/impl/codegen/sync_windows.h
*

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/time.h

- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/interceptor.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/slice.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/config.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/security/auth\_context.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/server\_interface.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/method\_handler\_impl.h
- \*
- /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/ruby\_generator\_map-inl.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/sync\_generic.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/client\_unary\_call.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/string\_ref.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/workaround\_list.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/cpp\_generator\_helpers.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/security/credentials.h
- \*
- /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/config.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/server\_builder\_option.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/status\_code\_enum.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/atm\_gcc\_atomic.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/call.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/status.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/byte\_buffer\_reader.h
- \*
- /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/generator\_helpers.h
- \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/grpc\_root/include/grpcpp/impl/codegen/proto\_buffer\_reader.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/objective\_c\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/channel.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/server.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/python\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/sync\_posix.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/ext/proto\_server\_reflection\_plugin.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/cpp\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/cpu.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/atm\_gcc\_sync.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/call\_hook.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/cpp\_plugin.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/byte\_buffer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/sync\_windows.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/rpc\_method.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/csharp\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/ruby\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/sync\_generic.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/server\_interceptor.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/python\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/grpcpp.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/log.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/metadata\_map.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/server\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/cpp\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/sync\_stream.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/string\_ref.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/objective\_c\_plugin.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/protobuf\_plugin.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/channel\_arguments.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/log\_windows.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/create\_channel.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/atm\_gcc\_atomic.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/slice\_buffer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/alloc.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/service\_type.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/time.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/impl/codegen/port\_platform.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/atm\_windows.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/atm\_gcc\_sync.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/sync.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/security/server\_credentials.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/slice.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/ruby\_generator\_helpers-inl.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/method\_handler.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-



1.37.0/grpc\_root/include/grpcpp/impl/codegen/async\_unary\_call.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/sync\_posix.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/client\_context.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/src/compiler/ruby\_generator.h  
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```
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*  
*/
```

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/server\_builder.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/grpc.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/completion\_queue.h  
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```
/*  
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\*  
\*/

/// If set, grpc is free to use the HTTP GET verb for sending the request,

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/client\_context.h

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Metadata-Version: 1.1  
Name: grpcio-tools  
Version: 1.37.0  
Summary: Protobuf code generator for gRPC  
Home-page: <https://grpc.io>  
Author: The gRPC Authors  
Author-email: [grpc-io@googlegroups.com](mailto:grpc-io@googlegroups.com)  
License: Apache License 2.0  
Description: gRPC Python Tools

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Package for gRPC Python tools.

Supported Python Versions

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Python >= 3.5

Deprecated Python Versions

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Python == 2.7. Python 2.7 support will be removed on January 1, 2020.

Installation

-----

The gRPC Python tools package is available for Linux, Mac OS X, and Windows running Python 2.7.

Installing From PyPI

~~~~~

If you are installing locally...

::

```
$ pip install grpcio-tools
```

Else system wide (on Ubuntu)...

```
::
```

```
$ sudo pip install grpcio-tools
```

If you're on Windows make sure that you installed the `pip.exe` component when you installed Python (if not go back and install it!) then invoke:

```
::
```

```
$ pip.exe install grpcio-tools
```

Windows users may need to invoke `pip.exe` from a command line ran as administrator.

n.b. On Windows and on Mac OS X one *must* have a recent release of `pip` to retrieve the proper wheel from PyPI. Be sure to upgrade to the latest version!

You might also need to install Cython to handle installation via the source distribution if gRPC Python's system coverage with wheels does not happen to include your system.

#### Installing From Source

```
~~~~~
```

Building from source requires that you have the Python headers (usually a package named `python-dev`) and Cython installed. It further requires a GCC-like compiler to go smoothly; you can probably get it to work without GCC-like stuff, but you may end up having a bad time.

```
::
```

```
$ export REPO_ROOT=grpc # REPO_ROOT can be any directory of your choice
$ git clone -b RELEASE_TAG_HERE https://github.com/grpc/grpc $REPO_ROOT
$ cd $REPO_ROOT
$ git submodule update --init

$ cd tools/distrib/python/grpcio_tools
$ python ../make_grpcio_tools.py

# For the next command do `sudo pip install` if you get permission-denied errors
$ GRPC_PYTHON_BUILD_WITH_CYTHON=1 pip install .
```

You cannot currently install Python from source on Windows. Things might work out for you in MSYS2 (follow the Linux instructions), but it isn't officially supported at the moment.

## Troubleshooting

~~~~~

### Help, I ...

**\*\*... see a\*\*** `pkg_resources.VersionConflict`` **\*\*when I try to install grpc\*\***

This is likely because `pip`` doesn't own the offending dependency, which in turn is likely because your operating system's package manager owns it. You'll need to force the installation of the dependency:

```
pip install --ignore-installed $OFFENDING_DEPENDENCY`
```

For example, if you get an error like the following:

::

Traceback (most recent call last):

File "<string>", line 17, in <module>

...

File "/usr/lib/python2.7/dist-packages/pkg\_resources.py", line 509, in find

raise VersionConflict(dist, req)

pkg\_resources.VersionConflict: (six 1.8.0 (/usr/lib/python2.7/dist-packages), Requirement.parse('six>=1.10'))

You can fix it by doing:

::

```
sudo pip install --ignore-installed six
```

**\*\*... see compiler errors on some platforms when either installing from source or from the source distribution\*\***

If you see

::

```
/tmp/pip-build-U8pSsr/cython/Cython/Plex/Scanners.c:4:20: fatal error: Python.h: No such file or directory
```

```
#include "Python.h"
```

```
^
```

```
compilation terminated.
```

You can fix it by installing `python-dev` package. i.e

::

```
sudo apt-get install python-dev
```

If you see something similar to:

::

```
third_party/protobuf/src/google/protobuf/stubs/mathlimits.h:173:31: note: in expansion of macro
'SIGNED_INT_MAX'
```

```
static const Type kPosMax = SIGNED_INT_MAX(Type); \\  
^
```

And your toolchain is GCC (at the time of this writing, up through at least GCC 6.0), this is probably a bug where GCC chokes on constant expressions when the `-fwrapv`` flag is specified. You should consider setting your environment with `CFLAGS=-fno-wrapv`` or using clang (`CC=clang``).

Usage

-----

Given protobuf include directories `$INCLUDE``, an output directory `$OUTPUT``, and proto files `$PROTO_FILES``, invoke as:

::

```
$ python -m grpc.tools.protoc -I$INCLUDE --python_out=$OUTPUT --grpc_python_out=$OUTPUT
$PROTO_FILES
```

To use as a build step in distutils-based projects, you may use the provided command class in your `setup.py``:

::

```
setuptools.setup(  
    # ...  
    cmdclass={  
        'build_proto_modules': grpc.tools.command.BuildPackageProtos,  
    }  
    # ...  
)
```

Invocation of the command will walk the project tree and transpile every `.proto`` file into a `_pb2.py`` file in the same directory.

Note that this particular approach requires `grpcio-tools`` to be installed on the machine before the setup script is invoked (i.e. no combination of `setup_requires`` or `install_requires`` will provide access to `grpc.tools.command.BuildPackageProtos`` if it isn't already installed). One way to work around this can be found in our `grpcio-health-checking`` `package <https://pypi.python.org/pypi/grpcio-health-checking>`_`:`

::

```
class BuildPackageProtos(setuptools.Command):
    """Command to generate project *_pb2.py modules from proto files."""
    # ...
    def run(self):
        from grpc.tools import
command
        command.build_package_protos(self.distribution.package_dir[""])
```

Now including `grpcio-tools`` in `setup_requires`` will provide the command on-setup as desired.

For more information on command classes, consult `distutils`` and `setuptools`` documentation.

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: License :: OSI Approved :: Apache Software License

Found in path(s):

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpcio\_tools.egg-info/PKG-INFO

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/PKG-INFO

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/sync\_abseil.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/test/channel\_test\_peer.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/platform\_macros.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/stringprintf\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/stringprintf.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/support/sync\_custom.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/fork.h  
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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpc/load\_reporting.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/impl/codegen/byte\_buffer.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_root/include/grpcpp/support/error\_details.h

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  - \*
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\*

\*/

/\*\* TLS server authorization check arguments, wraps

\* grpc\_tls\_server\_authorization\_check\_arg. It is used for experimental

\* purposes for now and it is subject to change.

\*

\* The server authorization check arg contains all the info necessary to

\* schedule/cancel a server authorization check request. The callback function

\* must be called after finishing the schedule operation. See the description

\* of the grpc\_tls\_server\_authorization\_check\_arg struct in grpc\_security.h for

\* more details. \*\*/

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\*

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\*

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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
```

1.37.0/third\_party/protobuf/src/google/protobuf/any\_test.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/arena.cc  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_proto2\_unittest.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/php/php\_generator.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_proto3\_arena\_lite.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/common.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message\_field.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_map\_field.cc  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/wire\_format.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/field\_mask\_util\_test.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unknown\_field\_set.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_enum\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/api.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_generator.cc  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_no\_field\_presence.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/stringpiece.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/bytestream.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/default\_value\_objectwriter.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_reflection\_unittest.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/plugin.h  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_message\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_string\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_options.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_message.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_message\_field.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_objectwriter.h  
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 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_map\_field\_lite.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/service.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/parser.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver.h  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/struct.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_doc\_comment.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_proto/google/protobuf/api.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_doc\_comment.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_proto/google/protobuf/duration.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/tokenizer.cc  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_map\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/gzip\_stream.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_wrapper\_field.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/object\_source.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_reflection\_class.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/type\_info.cc

\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_primitive\_field.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/repeated\_field.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/python/python\_generator.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/mock\_error\_listener.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_lazy\_dependencies\_custom\_option.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_objectwriter.cc  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_service.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/any\_test.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_table\_driven.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/well\_known\_types\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/js/js\_generator.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_proto/google/protobuf/type.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/code\_generator.h  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_oneof.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/implicit\_weak\_message.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/proto3\_arena\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/descriptor\_database.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_enum.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/repeated\_field.cc  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/extension\_set\_heavy.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectwriter.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/scc.h

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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_string_field_lite.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_enum.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/generated_message_table_driven_lite.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/text_format_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_proto3_optional.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/io/zero_copy_stream_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/arena_test_util.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_message_field.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_enum_field_lite.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/proto3_lite_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/protostream_objectwriter_test.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_plugin_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/protostream_objectsource_test.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_import_public_lite.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_service.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/time_util.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/arena_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_message.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/field_mask_utility.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_field.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/map_test_util.inc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/default_value_objectwriter.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/port\_undef.inc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/importer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver\_util\_test.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_enum\_util.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_mset\_wire\_format.proto

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/substitute.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_proto/google/protobuf/timestamp.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_wrapper\_field.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/metadata\_lite.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/message\_lite.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/structured\_objectwriter.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/ruby/ruby\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_test\_util\_impl.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectwriter.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_primitive\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_unittest.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/strutil.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/port\_def.inc

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/js/well\_known\_types\_embed.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_file.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_preserve\_unknown\_enum.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/metadata.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/lite\_arena\_unittest.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_preserve\_unknown\_enum2.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/zip\_writer.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_names.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_shared\_code\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_primitive\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/parser\_unittest.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/field\_mask.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/field\_mask\_util.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/bytestream.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_map\_field.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_proto/google/protobuf/source\_context.proto

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/json\_format.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_util.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/timestamp.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_primitive\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/importer.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/code\_generator.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_names.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/int128\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/util/json\_format\_proto3.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_padding\_optimizer.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_doc\_comment.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_arena.proto  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/delimited\_message\_util.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/js/well\_known\_types\_embed.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_proto3\_arena.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_context.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/subprocess.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_test.cc  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver\_util.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectsource.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_enormous\_descriptor.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/extension\_set.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/wire\_format\_lite.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/once.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/common\_unittest.cc  
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 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/object\_writer.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/preserve\_unknown\_enum\_test.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message\_layout\_helper.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/proto3.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/descriptor\_unittest.cc

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/arenastring.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/any.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/reflection.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_lite\_imports\_nonlite.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_custom\_options.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_string\_field.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/command\_line\_interface.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/any.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/descriptor\_database.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_lite.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_enum\_field.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer\_unittest.proto  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/io\_win32.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/wire\_format\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/php/php\_generator.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/oneofs.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/command\_line\_interface\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/message\_unittest.inc  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/int128.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/source\_context.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream\_impl.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_generator.h

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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/message_lite.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/arena_test_util.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/metadata_test.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_repeated_message_field.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/python/python_generator.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_mset.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/mock_code_generator.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/reflection_internal.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_options.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_helpers.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_proto3_lite.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/field_mask_utility.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_tools/_proto/google/protobuf/descriptor.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/object_location_tracker.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_bootstrap_unittest.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/subprocess.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_message_builder.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/descriptor.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/testdata/anys.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_generator.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/error_listener.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/map_test_util.h

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/test\_util2.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/dynamic\_message\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/descriptor.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream\_impl\_lite.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/test\_messages\_proto3.proto

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/repeated\_field\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/utility.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/expecting\_objectwriter.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/extension\_set\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/field\_comparator\_test.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_lazy\_dependencies.proto

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/test\_util.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_name\_resolver.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_generator\_factory.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/package\_info.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_field\_lite.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/arenastring.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/mock\_code\_generator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/descriptor\_database\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_generator.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/test\_messages\_proto2.proto

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_lazy\_dependencies\_enum.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_primitive\_field.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_oneof.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/time\_util.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/time.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_extension.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/time\_test.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/delimited\_message\_util.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectsource.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/status.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/type.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/proto3\_arena\_lite\_unittest.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream\_impl\_lite.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_builder\_lite.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/substitute.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_helpers.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_service.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/wire\_format.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/no\_field\_presence\_test.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/coded\_stream.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/type\_info\_test\_helper.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_field\_lite.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_proto/google/protobuf/field\_mask.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/delimited\_message\_util\_test.cc

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_entry\_lite.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/arena\_impl.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/strutil.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/zip\_writer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/io\_win32\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/error\_listener.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/field\_mask.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/package\_info.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/plugin.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/field\_comparator.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_proto3.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_primitive\_field.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_extension.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/tokenizer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/type\_info\_test\_helper.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_helpers.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_map\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/test\_util.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/wire\_format\_lite.h



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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/strutil\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_lite\_test\_util.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_doc\_comment.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/wrappers.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/stringpiece.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/proto3\_lite\_unittest.inc  
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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/annotation\_test\_util.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/empty.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/importer\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_import\_lite.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/implicit\_weak\_message.cc  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_enum.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_names.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_objectwriter\_test.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/maps.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/tokenizer\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_message.h  
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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/reflection\_ops\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/testing/googletest.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_field.h

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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/command_line_interface.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_source_generator_base.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_helpers.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/location_tracker.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_tools/_proto/google/protobuf/wrappers.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/stubs/logging.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/test_util.inc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_enum_field.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_extension_lite.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_message_field.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_optimize_for.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_no_generic_services.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/stubs/status_test.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/generated_enum_util.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_enum.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_field_base.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/message.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_service.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/constants.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_test_bad_identifiers.proto
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_generator.cc

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_table\_driven.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/json\_util.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_reflection.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/reflection\_ops.cc

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_lite.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_unittest.inc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_string\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_table\_driven\_lite.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unknown\_field\_set\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_file.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_message.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_repeated\_primitive\_field.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_move\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_field.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_drop\_unknown\_fields.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/datapiece.h

\*

/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/timestamp\_duration.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_bootstrap\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/object\_writer.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/json\_util.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_builder.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_helpers.cc  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_helpers.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_enum\_field.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/datapiece.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_file.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/parser.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum.h  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/stubs/statusor.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/default\_value.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_unittest.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/stubs/status.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_primitive\_field\_lite.cc  
 \*  
 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_stream\_parser.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_import\_public.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_plugin\_unittest.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/map\_field\_lite.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_repeated\_enum\_field.h  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_escaping.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_message\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_string\_field.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_doc\_comment\_unittest.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/text\_format.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_field.cc  
 \*  
 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_map\_field\_lite.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_enum\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_options.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/io/printer.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_string\_field\_lite.h  
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 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/map\_field.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/io/coded\_stream.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_source\_generator\_base.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/text\_format.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_lite.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/wrappers.proto  
 \*  
 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/test\_plugin.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver\_util.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/duration.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_embed\_optimize\_for.proto  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/default\_value\_objectwriter\_test.cc  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_extension.h  
 \*  
 /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-  
 1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_lite.h  
 \* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

1.37.0/third\_party/protobuf/src/google/protobuf/stubs/stringpiece\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/default\_value\_test.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/service.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/int128.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/js/js\_generator.cc

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_extension.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/byte\_stream\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_padding\_optimizer.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_extension.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/statusor\_test.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_primitive\_field\_lite.h

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/parse\_context.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/macros.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/package\_info.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_repeated\_primitive\_field.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/structurally\_valid.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/python/python\_plugin\_unittest.cc

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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/printer\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_reflection\_class.h

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_test\_large\_enum\_value.proto

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/message\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/lite\_unittest.cc

\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/parse\_context.cc

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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_generator\_factory.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_lite\_unittest.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/dynamic\_message.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_field.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/testing/file.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_file.cc  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/statusor.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/io/strtod.h  
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\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/common.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/ruby/ruby\_generator.cc  
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/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_builder\_lite.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unittest\_lite.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/repeated\_field\_reflection\_unittest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_file.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/books.proto  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/generated\_message\_util.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_generator.h

```

* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/plugin.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/proto_writer.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/has_bits.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_tools/_proto/google/protobuf/empty.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/utility.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/test_util_lite.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_repeated_message_field.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/any_lite.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_generator.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/extension_set_inl.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/proto_writer.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/reflection_ops.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/drop_unknown_fields_test.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/io/strtod.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_enum.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_repeated_enum_field.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/extension_set.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/io/zero_copy_stream_impl.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/map_entry.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/field_comparator.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_enum_field.cc
*

```



```

/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_helpers.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/field_mask_util.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_message_field_lite.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/unittest_empty.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/io/printer.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/json_escaping.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/grpc_tools/_proto/google/protobuf/any.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_field_base.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/generated_message_reflection.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/util/internal/type_info.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_primitive_field.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/port.h
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_extension.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_enum.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/stubs/hash.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_name_resolver.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/descriptor.proto
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_context.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/map.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/io/io_win32.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_helpers.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/java/java_enum_field.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-

```

1.37.0/third\_party/protobuf/src/google/protobuf/generated\_enum\_reflection.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/annotation\_test\_util.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/unknown\_field\_set.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_lite\_test\_util.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/message.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/main.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/stubs/status\_macros.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_map\_field.h  
\*  
/opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_extension\_lite.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_type\_handler.h  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/map\_field.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/testing/googletest.cc  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/struct.proto  
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```
/* "grpc_tools/_protoc_compiler.pyx":1  
* # Copyright 2020 The gRPC authors.           # <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<  
* #  
* # Licensed under the Apache License, Version 2.0 (the "License");  
*/
```

Found in path(s):  
\* /opt/cola/permits/1265910041\_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/grpc\_tools/\_protoc\_compiler.cpp  
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_generator_unittest.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/ruby/ruby_generator_unittest.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/stubs/casts.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/stubs/map_util.h
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_helpers_unittest.cc
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/testing/zcgunzip.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-
1.37.0/third_party/protobuf/src/google/protobuf/testing/zcgzip.cc
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* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_map_field.cc
* /opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field.cc
*
/opt/cola/permits/1265910041_1643966228.74/0/grpcio-tools-1-37-0-tar-gz/grpcio-tools-1.37.0/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field.h
```

# 1.610 grpcio 1.37.0

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# 1.611 containerd v1.0.2

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

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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

```
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```

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Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
```

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

The hypothetical commands

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```
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```

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

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## 1.613 keyutils 1.6.1

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```
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```

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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

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

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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

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to most

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

That's all there is to it!

# 1.617 libpwquality 1.4.4

## 1.617.1 Available under license :

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

```
/*
 * pw.h
 *
 * Password routines, adopted from IOX
 *
 * May 2000 Mark Eklund
 * July 2005, Craig MacFarlane
 *
 * Copyright (c) 2000-2005, 2007, 2010, 2014, 2018 by cisco Systems, Inc.
 * All rights reserved.
 */
/*
 * edt: * pw_type_t
 * Possible formats of saving the password in SysDB.
 *
 * item: PW_TYPE_CLEAR
 * The password in the clear, visible for anybody.
 *
 * item: PW_TYPE_1WAY
 * The password encrypted to an MD5 digest. This is not reversible.
 *
 * item: PW_TYPE_1WAY_2
 * The password encrypted to an sha256 digest. This is not reversible.
 *
 * item: PW_TYPE_2WAY
 * The Cisco type 7 password encryption. This is reversible
 * by both Cisco products and several public domain programs.
```

\*/

Found in path(s):

\* /opt/cola/permits/1273716988\_1648046860.0/0/pw-tar/pw/include/pw.h

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/\*

\* pw\_defs.h

\*

\* Password defines.

\*

\* July 2005, Craig MacFarlane

\*

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\*

\*/

Found in path(s):

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Found in path(s):

\* /opt/cola/permits/1273716988\_1648046860.0/0/pw-tar/pw/Makefile.bin

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/\*

\* pw.c

\*

\* AAA password routines, adopted from IOX

\*

\* January 2005, Naiming Shen

\* July 2005, Craig MacFarlane

\*

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\*

\*-----

\* pw.c -- password encryption/decryption routines

\*

\* May 08 2000, Mark Eklund

\*

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\*/

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/\*

\* pw\_const.tph

\*

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\*/

@DIRECTIVES{

  auto\_import\_stg = false;

  skip\_auto\_tdl\_include = true;

}@

@IMPORT\_STG{

  import "constant\_gen.stg";

}@

@TDL{

  import "pw\_const.tdl"

}@

@CODE{

#ifndef \_\_TDLC\_GEN\_PW\_CONST\_H\_\_

#define \_\_TDLC\_GEN\_PW\_CONST\_H\_\_

  \$constant\_generate()\$

#endif /\* \_\_TDLC\_GEN\_PW\_CONST\_H\_\_ \*/

}@

Found in path(s):

\* /opt/cola/permits/1273716988\_1648046860.0/0/pw-tar/pw/include/pw\_const.tph

# 1.618 libnpx 10.2.4

## 1.618.1 Available under license :

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## 1.619 libcipm 4.0.8

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# 1.620 gentle-fs 2.3.1

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# 1.621 crash 7.3.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
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| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
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|-------|-----------|-----------|---------|-----|
| 1.6   | 2001      | CNRI      | yes (2) |     |
| 2.1   | 2.0+1.6.1 | 2001      | PSF     | no  |
| 2.0.1 | 2.0+1.6.1 | 2001      | PSF     | yes |
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| 2.1.2 | 2.1.1     | 2002      | PSF     | yes |
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| 2.2.1 | 2.2       | 2002      | PSF     | yes |
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## 1.628 cryptsetup 2.3.7

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## 1.629 coverage 5.5.0.final.0

### 1.629.1 Available under license :

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# 1.630 pycparser 2.20

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```
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```
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```

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```
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```

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work.

(Executables containing this object code plus portions of the Library will still fall under Section 6.)

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# 1.633 mpfr 4.1.0

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```
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# 1.634 libnsl 1.3.0

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Upstream-Name: libnsl

Upstream-Contact: Thorsten Kukuk <kukuk@thkukuk.de>

Source: <https://github.com/thkukuk/libnsl>

Files: debian/\*

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Files: AUTHORS

configure.ac

config.h.in

libnsl.pc.in

Makefile.am

NEWS

README

src/Makefile.am

src/do\_ypcall.c

src/internal.h

src/libnsl.map

src/nisplus/nis\_error.c

src/taddr2host.c

src/taddr2ipstr.c

src/taddr2port.c

src/yp\_first.c

src/yp\_get\_default\_domain.c

src/yp\_maplist.c

src/yp\_master.c

src/yp\_match.c

src/yp\_next.c

src/yp\_order.c

src/ypbinderr\_string.c

src/yperr\_string.c

src/ypprot\_err.c

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Files: src/libc-lock.h

src/nisplus/nis\_add.c

src/nisplus/nis\_addmember.c

src/nisplus/nis\_call.c

src/nisplus/nis\_callback.c  
src/nisplus/nis\_checkpoint.c  
src/nisplus/nis\_clone\_dir.c  
src/nisplus/nis\_clone\_obj.c  
src/nisplus/nis\_clone\_res.c  
src/nisplus/nis\_creategroup.c  
src/nisplus/nis\_defaults.c  
src/nisplus/nis\_destroygroup.c  
src/nisplus/nis\_domain\_of.c  
src/nisplus/nis\_domain\_of\_r.c  
src/nisplus/nis\_file.c  
src/nisplus/nis\_findserv.c  
src/nisplus/nis\_free.c  
src/nisplus/nis\_getservlist.c  
src/nisplus/nis\_hash.c  
src/nisplus/nis\_intern.h  
src/nisplus/nis\_ismember.c  
src/nisplus/nis\_local\_names.c  
src/nisplus/nis\_lookup.c  
src/nisplus/nis\_mkdir.c  
src/nisplus/nis\_modify.c  
src/nisplus/nis\_ping.c  
src/nisplus/nis\_print.c  
src/nisplus/nis\_print\_group\_entry.c  
src/nisplus/nis\_remove.c  
src/nisplus/nis\_removemember.c  
src/nisplus/nis\_rmdir.c  
src/nisplus/nis\_server.c  
src/nisplus/nis\_subr.c  
src/nisplus/nis\_table.c  
src/nisplus/nis\_util.c  
src/nisplus/nis\_verifygroup.c  
src/nisplus/nis\_xdr.c  
src/nisplus/nis\_xdr.h  
src/rpcsvc/nislib.h  
src/rpcsvc/ypclnt.h

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Files: src/rpcsvc/nis\_callback.h

src/rpcsvc/nis\_callback.x  
src/rpcsvc/nis\_object.x  
src/rpcsvc/nis\_tags.h  
src/rpcsvc/nis.h  
src/rpcsvc/nis.x  
src/rpcsvc/yp.h  
src/rpcsvc/yp.x  
src/rpcsvc/yp\_prot.h



src/rpcsvc/yppasswd.h  
src/rpcsvc/yppasswd.x  
src/rpcsvc/ypupd.h  
src/yp\_xdr.c

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Files: Makefile.in

src/Makefile.in

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Files: aclocal.m4

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Files: config.sub

config.guess

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Files: configure

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Files: compile

depcomp

missing

test-driver

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Files: install-sh

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Files: ltmain.sh

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Files: config.rpath

m4/gettext.m4

m4/host-cpu-c-abi.m4

m4/iconv.m4  
m4/intlmacosx.m4  
m4/lib-ld.m4  
m4/lib-link.m4  
m4/lib-prefix.m4  
m4/libtool.m4  
m4/ltoptions.m4  
m4/ltsugar.m4  
m4/ltversion.m4  
m4/lt~obsolete.m4  
m4/nls.m4  
m4/po.m4  
m4/progtest.m4

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permissive-autoconf-m4

Files: ABOUT-NLS

po/Makefile.in.in  
po/Makevars  
po/POTFILES.in  
po/Rules-quot  
po/boldquot.sed  
po/en@boldquot.header  
po/en@quot.header  
po/insert-header.sin  
po/libnsl.pot  
po/quot.sed  
po/remove-potcdate.sin  
po/stamp-po

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## 1.636 syslog-ng 3.36.1

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====

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(For example, a function in a library to compute square roots has

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distribute the source code, even though third parties are not  
compelled to copy the source along with the object code.

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work, in isolation, is not a derivative work of the Library, and  
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library  
creates an executable that is a derivative of the Library (because it  
contains portions of the Library), rather than a "work  
that uses the  
library". The executable is therefore covered by this License.  
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When a "work that uses the Library" uses material from a header file  
that is part of the Library, the object code for the work may be a  
derivative work of the Library even though the source code is not.  
Whether this is true is especially significant if the work can be  
linked without the Library, or if the work is itself a library. The  
threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may  
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the object code for the work under the terms of Section 6.  
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6. As an exception to the Sections above, you may also combine or  
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# 1.637 Ivm2 2.03.11

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

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under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

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

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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## 1.639 talloc 2.3.3

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```
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```

```
Unix SMB/CIFS implementation.
Samba temporary memory allocation functions
```

```
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```
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```
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The End

# 1.641 libsoup 2.72.0

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That's all there is to it!

## 1.642 json-glib 1.6.2

### 1.642.1 Available under license :

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

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## 1.643 gobject-introspection 1.66.1

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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# 1.644 fuse 3.10.3

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## 1.645 man-db 2.9.4

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Any executables

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# 1.648 Ittng-ust 2.12.1

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Mathieu Desnoyers

December 5, 2012

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Included for the use of the fix\_strcasecmp.c module which works around a Solaris problem.

/\*

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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# 1.658 opencore-amr 0.1.5-1

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```
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 * snprintf.c - a portable implementation of snprintf
 *
 * AUTHOR
 * Mark Martinec <mark.martinec@ijs.si>, April 1999.
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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

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

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)



\*  
 \* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.  
 \*  
 \* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997  
 \*  
 \* Linux driver for the IDT77201 NICStAR PCI ATM controller.  
 \* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;  
 \* see init\_nicstar() for PHY initialization to change this. This driver  
 \* expects the Linux ATM stack to support scatter-gather  
 lists  
 \* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.  
 \*  
 \* Implementing minimal-copy of received data:  
 \* IDT always receives data into a small buffer, then large buffers  
 \* as needed. This means that data must always be copied to create  
 \* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)  
 \* Fix is simple: make large buffers large enough to hold entire  
 \* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then  
 \* copy small buffer contents to head of large buffer.  
 \* Trick is to avoid fragmenting Linux, due to need for a lot of large  
 \* buffers. This is done by 2 things:  
 \* 1) skb->destructor / skb->atm.recycle\_buffer  
 \* combined, allow nicstar\_free\_rx\_skb to be called to  
 \* recycle large data buffers  
 \* 2) skb\_clone of received buffers  
 \* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation  
 \* details.  
 \*  
 \*  
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 \*  
 \* M. Welsh, 6 July 1996

\*  
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- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/MildValues.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-



```
jar/org/sonatype/guice/bean/scanners/index/SisuIndexFinder.java
*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/inject/BeanScanning.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/reflect/Weak.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/binders/MergedProperties.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/reflect/Soft.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/index/AbstractSisuIndex.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/index/SisuIndexAPT6.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/ClassFinder.java
*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/locators/Implicit.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/locators/WildcardKey.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/binders/StringProperties.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/reflect/MildKeys.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/reflect/MildElements.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/index/SisuIndex.java
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jar/javax/enterprise/inject/Produces.java
*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/UnproxyableResolutionException.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/Typed.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/InjectionException.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/Instance.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/AmbiguousResolutionException.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/UnsatisfiedResolutionException.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/Any.java
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jar/javax/enterprise/inject/ResolutionException.java
*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/IllegalProductException.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/Alternative.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/enterprise/inject/Stereotype.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
```

jar/javax/enterprise/inject/Disposes.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/javax/enterprise/inject/New.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/javax/enterprise/inject/Specializes.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/javax/enterprise/inject/Default.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/javax/enterprise/inject/CreationException.java  
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jar/org/sonatype/guice/bean/scanners/QualifiedTypeListener.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/LocatorWiring.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/WatchedBeans.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/Streams.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/inject/Sisu.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/ImplicitBindings.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/RankingFunction.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/containers/SisuActivator.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/Wiring.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/ImplementationVisitor.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/containers/SisuGuice.java

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/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/inject/Description.java

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\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/LazyBeanEntry.java

\*

/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/EntryListAdapter.java

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\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/QualifierCache.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/EntryMapAdapter.java

\*

/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/EmptyAnnotationVisitor.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/RankedSequence.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-

jar/org/sonatype/guice/bean/locators/spi/BindingDistributor.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/scanners/package-info.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/NamedIterableAdapter.java  
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jar/org/sonatype/guice/bean/reflect/AbstractDeferredClass.java  
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jar/org/sonatype/guice/bean/scanners/index/package-info.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/package-info.java  
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jar/org/sonatype/guice/bean/binders/QualifiedTypeBinder.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/inject/package-info.java  
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jar/org/sonatype/guice/bean/locators/QualifyingStrategy.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/LoadedClass.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/ChildWireModule.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/EntrySetAdapter.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/BeanListener.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/MergedModule.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/converters/AbstractTypeConverter.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/package-info.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/containers/package-info.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/locators/spi/BindingSubscriber.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/inject/EagerSingleton.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/binders/ParameterKeys.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/converters/FileTypeConverter.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/scanners/ClassSpaceScanner.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/scanners/ClassSpaceVisitor.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/MutableBeanLocator.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/BeanCache.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/binders/SpaceModule.java

\*

/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/GlobberStrategy.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/binders/DependencyVerifier.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/binders/DependencyAnalyzer.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/inject/package-info.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/inject/BeanEntry.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/BeanDescription.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/Logs.java

\*

/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/spi/package-info.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/QualifiedTypeVisitor.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/RankedBindings.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/IgnoreSetters.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/DefaultBeanLocator.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/DefaultRankingFunction.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/InjectorPublisher.java

\*

/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/containers/InjectedTestCase.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/ProviderIterableAdapter.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/package-info.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/HiddenBinding.java

\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/locators/LocatedBeans.java

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```
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Found in path(s):

```
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/META-INF/maven/org.sonatype.sisu/sisu-inject-bean/pom.xml
```

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```
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```
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/TypeParameters.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/DeferredProvider.java
*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/BundleClassSpace.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/inject/PropertyBinding.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/DeferredClass.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/FileEntryIterator.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/reflect/URLClassSpace.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
```

jar/org/sonatype/guice/bean/reflect/ZipEntryIterator.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/inject/BeanBinder.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/DeclaredMembers.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/BeanPropertyIterator.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/ResourceEnumeration.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/BeanPropertyField.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/inject/BeanListener.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/BeanProperty.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/inject/BeanInjector.java  
\*  
/opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/BeanProperties.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/BeanPropertySetter.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/inject/PropertyBinder.java  
\* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-  
jar/org/sonatype/guice/bean/reflect/ClassSpace.java  
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- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/ClassVisitor.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/AnnotationVisitor.java
- \*
- /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/MethodWriter.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Handler.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Frame.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/package-info.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/AnnotationWriter.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Label.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Item.java
- \*
- /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/FieldVisitor.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/FieldWriter.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/ClassWriter.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/ByteVector.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Attribute.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Type.java
- \* /opt/cola/permits/1377518169\_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/org/sonatype/guice/bean/scanners/asm/Opcodes.java

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*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/asm/MethodVisitor.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/asm/ClassReader.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/org/sonatype/guice/bean/scanners/asm/Edge.java
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```
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-jar/javax/inject/package-
info.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/inject/Qualifier.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/inject/Provider.java
*
/opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/inject/Named.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/inject/Inject.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/inject/Singleton.java
* /opt/cola/permits/1377518169_1659371010.7589436/0/sisu-inject-bean-2-3-0-sources-2-
jar/javax/inject/Scope.java
```

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```
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/Slf4jLogger.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/Utils.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/DefaultArtifactResolver.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/EdgeStack.java  
*  
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/MetadataGenerator.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/MetadataResolver.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/DefaultLocalRepositoryProvider.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/AbstractLocalRepositoryMaintainer.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/LocalRepositoryProvider.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/ArtifactResolver.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/DefaultDeployer.java  
*  
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/DefaultDependencyCollector.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/LocalRepositoryEvent.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/GraphEdge.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/ArtifactDescriptorReader.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/internal/PlexusLogger.java  
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-  
jar/org/sonatype/aether/impl/UpdateCheck.java
```

```

* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DataPool.java
*
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/SyncContextFactory.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/EnhancedLocalRepositoryManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultFileProcessor.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/CachingArtifactTypeRegistry.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/UpdateCheckManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/VersionResolver.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/Installer.java
*
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/RemoteRepositoryManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/SimpleDigest.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultServiceLocator.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/MetadataGeneratorFactory.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultLocalRepositoryEvent.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultSyncContextFactory.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/SimpleLocalRepositoryManagerFactory.java
*
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/DependencyCollector.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/RepositoryEventDispatcher.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultMetadataResolver.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/LocalRepositoryMaintainer.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/TrackingFileManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/Deployer.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/ObjectPool.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-

```

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jar/org/sonatype/aether/impl/internal/DefaultInstaller.java
*
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultRemoteRepositoryManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/EnhancedLocalRepositoryManagerFactory.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/CacheUtils.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/VersionRangeResolver.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultDependencyCollectionContext.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultRepositoryEventDispatcher.java
*
/opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultRepositorySystem.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultUpdateCheckManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/SimpleLocalRepositoryManager.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/GraphNode.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/DefaultDependencyGraphTransformationContext.java
* /opt/cola/permits/1377518286_1659371033.1834788/0/aether-impl-1-13-1-sources-2-
jar/org/sonatype/aether/impl/internal/ArtifactRequestBuilder.java

```

# 1.662 sisu-inject-plexus 2.3.0

## 1.662.1 Available under license :

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

```

/*****
* Copyright (c) 2010-2011 Sonatype, Inc.
* All rights reserved. This program and the accompanying materials
* are made available under the terms of the Eclipse Public License v1.0
* which accompanies this distribution, and is available at
* http://www.eclipse.org/legal/epl-v10.html
*****/

```

Found in path(s):

```

* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/LogEnabled.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/LoggerManager.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-

```

```

jar/org/sonatype/guice/plexus/binders/PlexusXmlBeanModule.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/repository/ComponentRequirement.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/DefaultPlexusContainer.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/ClassRealmUtils.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/repository/ComponentDescriptor.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/PlexusContainerException.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/PlexusAnnotatedBeanModule.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/PlexusPropertyBinder.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/scanners/PlexusTypeRegistry.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/context/ContextException.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/scanners/PlexusXmlMetadata.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/StartingException.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/repository/ComponentRequirementList.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/PlexusConfigurations.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Disposable.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/RealmFilter.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/config/Strategies.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/annotations/ConfigurationImpl.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/DefaultPlexusBeans.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/context/Context.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/context/DefaultContext.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/ServiceLocator.java
*

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/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/factory/AbstractComponentFactory.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/config/PlexusBeanConverter.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/factory/ComponentInstantiationException.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Serviceable.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/repository/exception/ComponentLifecycleException.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/annotations/ComponentImpl.java  
\*  
/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/repository/exception/ComponentRepositoryException.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/binders/PlexusBeanBinder.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/binders/PlexusRequirements.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/converters/PlexusDateTypeConverter.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/PlexusContainerLocator.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/StoppingException.java  
\*  
/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/ContainerConfiguration.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/configuration/xml/XmlPlexusConfiguration.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/configuration/PlexusConfiguration.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Suspendable.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/logging/Logger.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/factory/ComponentFactory.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/lifecycles/PlexusLifecycleManager.java  
\*  
/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/config/PlexusBeanMetadata.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/config/PlexusBeanLocator.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/DefaultContainerConfiguration.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-

```

jar/org/sonatype/guice/plexus/scanners/PlexusXmlScanner.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/config/PlexusBeanSource.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/OptionalPropertyBinding.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/configuration/PlexusConfigurationException.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/AbstractLogger.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/ProvidedPropertyBinding.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/MutablePlexusContainer.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/HintedPlexusBeans.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/context/ContextMapAdapter.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/InitializationException.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/config/Roles.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/PlexusTypeBinder.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/MissingPlexusBean.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/annotations/RequirementImpl.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/PlexusBindingModule.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Configurable.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/PlexusConstants.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/config/PlexusBeanModule.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/DefaultPlexusBeanLocator.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/AbstractLogEnabled.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/BaseLoggerManager.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/scanners/CloningClassLoader.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluationException.java

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* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/AbstractLoggerManager.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/config/Hints.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/console/ConsoleLoggerManager.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/locators/LazyPlexusBean.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/scanners/PlexusAnnotatedMetadata.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Initializable.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Contextualizable.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/config/PlexusBean.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/ComponentDescriptorBeanModule.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/PlexusContainer.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/logging/console/ConsoleLogger.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/repository/ComponentSetDescriptor.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/scanners/PlexusTypeVisitor.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/binders/PlexusBeanManager.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/repository/ComponentDependency.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/configuration/DefaultPlexusConfiguration.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/converters/PlexusXmlBeanConverter.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/repository/exception/ComponentLookupException.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/sonatype/guice/plexus/scanners/PlexusTypeListener.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/Startable.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/composition/CycleDetectedInComponentGraphException.java
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*/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/MapOrientedComponentConfigurator.java
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```
*/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/META-INF/maven/org.sonatype.sisu/sisu-inject-plexus/pom.xml
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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/shim/PseudoPlexusContainer.java

\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/sonatype/guice/plexus/shim/PlexusSpaceModule.java

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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/MapOrientedComponent.java

\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluator.java

\*

/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/expression/DefaultExpressionEvaluator.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/PlexusTestCase.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/expression/TypeAwareExpressionEvaluator.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/ClassConverter.java

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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/LongConverter.java

\*

/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/StringBufferConverter.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/AbstractConfigurationConverter.java  
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\*  
/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/ShortConverter.java  
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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/composite/PropertiesConverter.java  
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\*  
/opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/AbstractComponentConfigurator.java  
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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/FileConverter.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/DoubleConverter.java  
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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/BasicComponentConfigurator.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/EnumConverter.java  
\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-jar/org/codehaus/plexus/component/configurator/converters/basic/ByteConverter.java  
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\* /opt/cola/permits/1377518222\_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-

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jar/org/codehaus/plexus/component/configurator/converters/composite/ObjectWithFieldsConverter.java
*
/opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/configurator/converters/composite/ComponentDefaultValueSetter.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/configurator/converters/basic/FloatConverter.java
* /opt/cola/permits/1377518222_1659371027.6921747/0/sisu-inject-plexus-2-3-0-sources-2-
jar/org/codehaus/plexus/component/configurator/converters/lookup/DefaultConverterLookup.java
```

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jar/org/sonatype/aether/util/graph/AbstractDepthFirstNodeListGenerator.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/PreorderNodeListGenerator.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
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jar/org/sonatype/aether/util/graph/manager/NoopDependencyManager.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/transformer/TransformationContextKeys.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/ConfigUtils.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
```

```

jar/org/sonatype/aether/util/artifact/DefaultArtifactType.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/PathRecordingDependencyVisitor.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/repository/DefaultProxySelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/DefaultRepositorySystemSession.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/selector/StaticDependencySelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/artifact/DelegatingArtifact.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/filter/PatternExclusionsDependencyFilter.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/artifact/JavaScopes.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/concurrency/RunnableErrorForwarder.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/transformer/ChainedDependencyGraphTransformer.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/transformer/JavaDependencyContextRefiner.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/layout/MavenDefaultLayout.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/filter/OrDependencyFilter.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/metadata/DefaultMetadata.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/artifact/DefaultArtifact.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/listener/DefaultTransferResource.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/listener/ChainedRepositoryListener.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/artifact/ArtifactProperties.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/artifact/ArtifactIdUtils.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/listener/ChainedTransferListener.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/transformer/NoopDependencyGraphTransformer.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/StringUtils.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-

```



```

jar/org/sonatype/aether/util/listener/AbstractTransferListener.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/version/GenericVersion.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/selector/AndDependencySelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/traverser/StaticDependencyTraverser.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/DefaultSessionData.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/listener/DefaultTransferEvent.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/transformer/NearestVersionConflictResolver.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/transformer/JavaEffectiveScopeCalculator.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/filter/ExclusionsDependencyFilter.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/DefaultRepositoryCache.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/listener/AbstractRepositoryListener.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/TreeDependencyVisitor.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/repository/DefaultMirrorSelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/FilteringDependencyVisitor.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/listener/DefaultRepositoryEvent.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/selector/OptionalDependencySelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/selector/ScopeDependencySelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/repository/ChainedWorkspaceReader.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/filter/AndDependencyFilter.java
*
/opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/graph/DefaultDependencyNode.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/repository/ConservativeAuthenticationSelector.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/ChecksumUtils.java
* /opt/cola/permits/1377518243_1659371022.7891161/0/aether-util-1-13-1-sources-2-
jar/org/sonatype/aether/util/DefaultRequestTrace.java

```

\* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/repository/DefaultAuthenticationSelector.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/artifact/SubArtifact.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/artifact/AbstractArtifact.java  
 \*  
 /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/filter/ScopeDependencyFilter.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/version/GenericVersionScheme.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/artifact/DefaultArtifactTypeRegistry.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/Stack.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/filter/DependencyFilterUtils.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/transformer/ConflictIdSorter.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/repository/ConservativeProxySelector.java  
 \*  
 /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/transformer/ConflictMarker.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/filter/NotDependencyFilter.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/selector/ExclusionDependencySelector.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/layout/RepositoryLayout.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/version/GenericVersionRange.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/manager/ClassicDependencyManager.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/filter/PatternInclusionsDependencyFilter.java  
 \*  
 /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/traverser/FatArtifactTraverser.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/FilterRepositorySystemSession.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/version/GenericVersionConstraint.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/artifact/OverlayArtifactTypeRegistry.java  
 \* /opt/cola/permits/1377518243\_1659371022.7891161/0/aether-util-1-13-1-sources-2-  
 jar/org/sonatype/aether/util/graph/CloningDependencyVisitor.java

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Any

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language

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Version 3, 29 June 2007

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# 1.665 libatomic 10.3.0

## 1.665.1 Available under license :

This is the Debian GNU/Linux prepackaged version of the GNU compiler collection, containing Ada, C, C++, D, Fortran 95, Go, Objective-C, Objective-C++, and Modula-2 compilers, documentation, and support libraries. In addition, Debian provides the gm2 compiler, either in the same source package, or built from a separate same source package. Packaging is done by the Debian GCC Maintainers <debian-gcc@lists.debian.org>, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/ (for full releases)  
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ftp://sourceware.org/pub/newlib/ (for newlib)  
git://git.savannah.gnu.org/gm2.git (for Modula-2)

The current gcc-10 source package is taken from the SVN gcc-10-branch.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

| Language      | Compiler package | Library package | Documentation     |
|---------------|------------------|-----------------|-------------------|
| Ada           | gnat-10          | libgnat-10      | gnat-10-doc       |
| BRIG          | gccbrig-10       | libhsail-rt0    |                   |
| C             | gcc-10           |                 | gcc-10-doc        |
| C++           | g++-10           | libstdc++6      | libstdc++6-10-doc |
| D             | gdc-10           |                 |                   |
| Fortran 95    | gfortran-10      | libgfortran5    | gfortran-10-doc   |
| Go            | gccgo-10         | libgo0          |                   |
| Objective C   | gobjc-10         | libobjc4        |                   |
| Objective C++ | gobjc++-10       |                 |                   |
| Modula-2      | gm2-10           | libgm2          |                   |

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

| Language | Sources          | Development       | Debugging         | Position-Independent |
|----------|------------------|-------------------|-------------------|----------------------|
| C++      |                  | libstdc++6-10-dbg | libstdc++6-10-pic |                      |
| D        | libphobos-10-dev |                   |                   |                      |

Additional packages include:

All languages:

|                   |                                     |
|-------------------|-------------------------------------|
| libgcc1,          |                                     |
| libgcc2, libgcc4  | GCC intrinsics (platform-dependent) |
| gcc-10-base       | Base files common to all compilers  |
| gcc-10-soft-float | Software floating point (ARM only)  |
| gcc-10-source     | The sources with patches            |

Ada:

libgnat-util10-dev, libgnat-util10 GNAT version library

C:

|                      |                                       |
|----------------------|---------------------------------------|
| cpp-10, cpp-10-doc   | GNU C Preprocessor                    |
| libssp0-dev, libssp0 | GCC stack smashing protection library |
| libquadmath0         | Math routines for the __float128 type |
| fixincludes          | Fix non-ANSI header files             |

C, C++ and Fortran 95:

libgomp1-dev, libgomp1 GCC OpenMP (GOMP) support library  
libitm1-dev, libitm1 GNU Transactional Memory Library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can

also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libatomic
- libdecnumber
- libgomp
- libitm
- libssp
- libstdc++-v3
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- Various config files in gcc/config/ used in runtime libraries.
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D:

gdc-10                    GNU D Compiler  
libphobos-10-dev        D standard runtime library

The D source package is made up of the following components.

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- d/\*

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- d/dmd/\*

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- d/phobos/etc/c/zlib/\*

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The Phobos standard runtime library:

- d/phobos/\*

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# 1.670 futures 3.3.0

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# 1.672 libusb-compat 0.1.7

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May

2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python

releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | 1.2          | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Advice for new contributors

=====

New contributor and not sure what to do? Want to help but just don't know how  
to get started? This is the section for you.

.. admonition:: Basic tools and workflow

If you are new to contributing to Django, the `:doc:`/intro/contributing``  
tutorial will give you an introduction to the tools and the workflow.

First steps

=====

Start with these easy tasks to discover Django's development process.

**\*\*Triage tickets\*\***

If an ``unreviewed ticket`_` reports a bug, try and reproduce it. If you  
can reproduce it and it seems valid, make a note that you confirmed the bug  
and accept the ticket. Make sure the ticket is filed under the correct

component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at [:ref:`how-can-i-help-with-triaging`](#)

**\*\*Look for tickets that are accepted and review patches to build familiarity with the codebase and the process\*\***

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. [:doc:`Run the tests </internals/contributing/writing-code/unit-tests>`](#) and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

**\*\*Keep old patches up to date\*\***

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on [:doc:`writing-code/submitting-patches`](#).

**\*\*Write some documentation\*\***

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on [:doc:`writing-documentation`](#).

.. note::

The [`reports page`\\_](#) contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. [\\_reports page: https://code.djangoproject.com/wiki/Reports](https://code.djangoproject.com/wiki/Reports)

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## Guidelines

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As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

**\*\*Pick a subject**  
area that you care about, that you are familiar with, or  
that you want to learn about\*\*

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

**\*\*Analyze tickets' context and history\*\***

Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who **\*hasn't\*** spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

**\*\*Start small\*\***

It's easier to get feedback on a little issue than on a big one. See the ``easy pickings`_`.

**\*\*If you're going to engage in a big task, make sure that your idea has support first\*\***

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

**\*\*Be bold! Leave feedback!\*\***

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **\*\*you\*\***!

**\*\*Err on the side of caution when marking things Ready For Check-in\*\***

If you're really not certain if a ticket is ready, don't mark it as

such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

\* \*\*Wait for feedback, and respond to feedback that you receive\*\*

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

\* \*\*Be rigorous\*\*

When we say ":pep:8", and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. \_easy pickings: <https://code.djangoproject.com/query?status=!closed&easy=1>

.. \_new-contributors-faq:

FAQ

===

1. **This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?**

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the |django-developers| mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?**

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

# 1.679 py 1.11.0

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## 1.680 golang 1.19.4

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References  
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<http://www.aleksey.com/pipermail/xmlsec/2003/005488.html>

<http://www.aleksey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm>

\* Cordys R&D BV

<http://www.aleksey.com/pipermail/xmlsec/2003/005581.html>

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<http://www.aleksey.com/pipermail/xmlsec/2006/007410.html>

## 1.683 punycode 2.1.1

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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/\*  
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\*/

## 1.692 bsd-mailx 12.5-5

### 1.692.1 Available under license :

bsd-mailx for DEBIAN  
-----

The history of this package is quite complicated. The changelog includes a summary with the different maintainers.

At the beginning of Debian, I think this package was based on a BSD 5.5 mail version from FreeBSD.

There has been a lot of work on the package shipped with Debian 0.93R6, which was based on a BSD 8.1 mail version from BSD4.4Lite. The extensions include support for dotfile locking, setgid support, POP support, signal handling hacks.

here is a README originally found:

```
+ README for Berkely mailx version 8.1 with POP extension
+
+ This is "mailx", a simple program for sending and receiving email.
+
+ This is based on mailx version 8.1 (as distributed with BSD 4.4lite).
+
+ It has been extended to support the post-office protocol (POP). Run
+ "mail -p" and it will retrieve your email from a POP server rather than
+ from your local mail queue. See the manual page for more details.
+
+ The POP support was written
+ by Jonathan I. Kamens for version mailx 5.5
+ (as distributed with BSD 4.3.)
+
+ The POP support was integrated into version 8.1 by Salvatore Valente
+ for no particular reason. (It would have been simpler for me to
+ simply use Jonathan's 5.5 source tree. There are no major differences
+ between the two versions.)
+
+ Have a nice day.
+ -Salvatore Valente. <svalente@athena.mit.edu>
+ 5/12/94
+
+ PORTING
+
+ Before attempting to compile this for _any_ system, you should do two
+ things:
+
+ Edit CFLAGS in Makefile.
+ Edit pathnames.h.
+
+ These sources are _extremely_ BSDish. I have successfully built this
+ for Linux, BSD 4.3, NetBSD, Ultrix, Aix, and SunOS. I have never
+ successfully gotten it to build for Solaris or any System 5ish system.
+ If you want to try, here are some issues you will face:
```

+  
+ It uses BSD signal() semantics. Use sigaction().  
+ It uses BSD longjmp() semantics. Use siglongjmp().  
+  
It uses BSD sgtty. Use termios.  
+ It uses BSD signal mask functions. Use posix sigmask functions.  
+  
+ There will probably be other hurdles too. Good luck.

With Debian1.1 a switch was done to a version base on a BSD5.5 mail program, because of signal handling problems (which I think were due to bad compilation options). So no more POP support. Some patches from Ken Whang <Kenneth.C.Whang-1@umn.edu> included, the corresponding README was:

+ mailx-5.5-kw 5/30/95  
+  
+  
+ WHAT'S IN THIS PATCH  
+  
+ There are a bunch of little features, common in System V and SunOS  
+ versions of mailx, that are missing from the NetBSD-based version  
+ distributed with Linux. This patch attempts to fill in some of what's  
+ missing.  
+  
+ Changes from debian mailx-5.5 include:  
+  
+ 5/4/95:  
+  
+ -- interpret prompt variable  
+ -- interpret ~a and ~A tilde escapes  
+ -- updated tildehelp list  
+ -- changed mail.rc to ignore nothing (just my personal preference)  
+ -- accept  
From lines with times of the form hh:mm (formerly took only hh:mm:ss)  
+  
+ 5/7/95:  
+  
+ -- Save (S) command saves to mailbox named after author  
+ -- take startup commands from file named by environment variable MAILRC  
+  
+ 5/30/95:  
+  
+ -- -H switch for header summary only  
+  
+ Still to be done:  
+  
+ -- pipe ~p output through PAGER (see type1 in cmd1.c for an example)

+ -- save (s) by default to MBOX (instead of "No file specified.")  
+ -- ~q should save to dead.letter, ~x is not known  
+ -- update man page  
+ -- allnet and showto ("showto" shows recipient instead of sender if sender  
+ is current user)  
+  
+ Possibly difficult:  
+  
+ -- interpret editheaders variable as in SunOS version  
+  
+ Bugs:  
+  
+ -- ~a,~A tilde escapes leave an extra trailing blank on each line  
+ -- to conform to original style, I should really be using char \*cp  
+ instead of new variables sig and prompt to be looking up variables  
+ -- -H switch implementation  
is kind of gross. grep for "hdronly" in  
+ source files; much room for improvement!  
+  
+  
+ HOW TO INSTALL  
+  
+ Apply Sal Valente's debian patch first, so:  
+  
+ tar xvfz mailx-5.5.tar.gz  
+ cd mailx-5.5  
+ zcat ../mailx-5.5.debian.diff.gz | patch -p1  
+ zcat ../mailx-5.5-kw.diff.gz | patch -p1  
+ make  
+  
+ Or you may wish to just uncompress the diff file and pick and choose  
+ the changes that you like.  
+  
+  
+ AUTHOR  
+  
+ Ken Whang <Kenneth.C.Whang-1@umn.edu>

This version has no provision for the debian mail policy (permission  
on /var/mail+dotfile locking), so Loic Prylli  
<lprylli@graville.fdn.fr> finally recreate a package based on the OpenBSD  
mail with the minimum number of patches to make it suited for debian  
(see changelog). There is no more POP support, nor the added  
functionality from Ken Whang, but all these patches are archived, so  
mail <lprylli@graville.fdn.fr> if you want them to be incorporated.

Loic Prylli

<lprylli@graville.fdn.fr>, Mon, 23 Dec 1996 00:13:13 +0100

Sat Apr 4 14:05:38 CEST 1998:

After a security patch to fix tmp races, a number of things broke.

Here is what I have tried to fix them:

The rationale is to have all file openings go through safe\_open:

File opened in mode "w", "w+", are created with O\_EXCL mode,

(should coincide with temporary files or new files)

Files with "a" "a+" et "r+" mode do not require the O\_EXCL files. "a+" et "r+" do not creat the file.

Still to do: check creat calls

3.0 (quilt)

diff-ignore

tar-ignore

00-Makefiles.patch

01-Fix-includes.patch

02-Base-fixes-1.patch

03-Base-fixes-2.patch

04-Add-custom-header.patch

05-Mailx-fixes.patch

06-Use-lockf-instead-of-flock.patch

07-Initialize-head-struct.patch

08-Use-libblockfile-library.patch

09-Saved-mbox-message.patch

10-Reply-To-header.patch

11-Showname-option.patch

12-REPLYTO-can-be-set-in-.mailrc-too.patch

13-Mailx-concatenates-messages.patch

14-Truncate-mailbox-instead-of-deleting-it.patch

15-No-space-left-in-tmp.patch

16-Stdin-not-a-tty.patch

17-Intialize-tv\_used.patch

18-Wait-for-sendmail.patch

19-Fix-compilation-on-Hurd.patch

20-Don-t-delete-temporary-file.patch

21-Use-wordexpr-instead-of-echo.patch

22-Replace-newlines-with-spaces.patch

24-False-cant-send-email-errors.patch

25-Fix-confusing-error.patch

80-remove\_T.patch

81-minus\_f.patch

82-expandaddr.patch

83-nosendmail.patch

This package was debianized by Loic Prylli <lprylli@graville.fdn.fr> on

Mon, 23 Dec 1996 00:13:13 +0100.

The package is currently maintained by Robert Lubberda <robert@debian.org>

It is now based on OpenBSD in directory src/usr.bin/mail on a lot of major ftp sites.

See the README.Debian (and changelog.Debian) for the complicated history of the Debian package.

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etc

usr/bin

usr/share/bsd-mailx

usr/share/man/man1

9

#!/usr/bin/make -f

include /usr/share/dpkg/architecture.mk

```

ifneq ($(DEB_HOST_GNU_TYPE),$(DEB_BUILD_GNU_TYPE))
export CC = $(DEB_HOST_GNU_TYPE)-gcc
else
export CC = gcc
endif

%:
dh "$@" --parallel

override_dh_auto_clean:
# Don't try to run make clean on unpatched version of Makefile
! grep -q DEBIAN Makefile || dh_auto_clean

override_dh_installchangelogs:
dh_installchangelogs -a debian/EXT/ChangeLog
bsd-mailx source: source-contains-cvs-control-dir
bsd-mailx (8.1.2-0.20131005cvs-1ubuntu0.14.04.1) trusty-security; urgency=medium

* SECURITY UPDATE: shell command injection
- Apply OpenBSD patches from Todd Miller (taken from Debian update):
+ 80-remove_T.patch (remove undocumented/obsolete -T option)
+ 81-minus_f.patch (adjust -f processing)
+ 82-expandaddr.patch (fix CVE-2014-7844)
+ 83-nosendmail.patch (make -- work for option parsing suppression)
- CVE-2014-7844

-- Marc Deslauriers <marc.deslauriers@ubuntu.com> Mon, 05 Jan 2015 11:36:44 -0500

bsd-mailx (8.1.2-0.20131005cvs-1) unstable; urgency=low

* New upstream version from OpenBSD CVS repository.
* Remove 23-Treat-new-line-only-messages-as-empty-ones.patch, introduced
in 1:8.1.2-0.20071017cvs-1 so that bsd-mailx will behave like other mailx
implementations and will not treat messages containing a single new line
only as an empty ones (LP: #607099, reopens #355545).
* Extend description of this package to mention the fact
that bsd-mailx lacks
many features that may be found in other packages like heirloom-mailx
or mailutils (closes: #508303).
* Add 26-Fix-confusing-error.patch to make a message given when -b is used
without -t less confusing (closes: #327809).
* Fix 00-Makefile.patch not to override CC and pass CPPFLAGS while compiling.
* debian/rules:
+ apply patch from Ubuntu to respect DEB_HOST_GNU_TYPE when selecting CC
for cross-compiling;
+ do not try to run make clean on unpatched Makefile.
* Bump Standards-Version to 3.9.4 (no changes).

```



-- Robert Luberda <robert@debian.org> Sun, 06 Oct 2013 11:58:42 +0200

bsd-mailx (8.1.2-0.20111106cvs-1) unstable; urgency=low

- \* New upstream version from OpenBSD CVS repository.
- \* Drop the additional source files from EXT directory, use libbsd-dev instead. Move EXT to debian.
- \* 00-Makefile: don't override CFLAGS set in environment.
- \* Switch to dpkg-source 3.0 (quilt) format.
- \* Use debhelper v9 and tiny debian/rules file.
- \* debian/control:
  - + Build-Depends on libbsd-dev;
  - + Standards-Version: 3.9.2;
  - + use Breaks instead of versioned Conflicts;
  - + add Vcs fields;
  - + reformat the dependencies fields with `wrap-and-sort' command.
- \* Include full text of BSD licence in copyright (lintian).

-- Robert Luberda <robert@debian.org> Sun, 20 Nov 2011 23:37:22 +0100

bsd-mailx (8.1.2-0.20100314cvs-1) unstable; urgency=low

- \* New upstream version from OpenBSD CVS repository.
- \* Follow upstream and stop installing the outdated documentation (closes: #455708); also remove doc-base file.
- \* debian/control:
  - + depend on default-mta instead of exim4 (closes: #555495);
  - + add \${misc:Depends} dependency (lintian);
  - + Standards-Version: 3.8.4 (no changes).

-- Robert Luberda <robert@debian.org> Sun, 14 Mar 2010 13:22:18 +0100

bsd-mailx (8.1.2-0.20090911cvs-2) unstable; urgency=medium

- \* Fix a bogus "can't send mail: sendmail process failed" errors appearing rarely on systems under heavy loads (closes: #550116).  
Many thanks to Ivan Zahariev <famzah(at)icdsoft.com> for his investigation and patch.

-- Robert Luberda <robert@debian.org> Sat, 10 Oct 2009 11:21:11 +0200

bsd-mailx (8.1.2-0.20090911cvs-1) unstable; urgency=low

- \* New upstream release from OpenBSD repository.
- \* Fix grammar in description (closes: #515781).
- \* Drop mailx transitional package.

\* Bump debhelper compat mode to 7.

\* Standards-Version: 3.8.3

-- Robert Luberda <robert@debian.org> Fri, 11 Sep 2009 18:14:22 +0200

bsd-mailx (8.1.2-0.20081101cvs-2) unstable; urgency=low

\* Upload to unstable.

-- Robert Luberda <robert@debian.org> Sun, 09 Nov 2008 09:00:25 +0100

bsd-mailx (8.1.2-0.20081101cvs-1) experimental; urgency=low

\* New upstream release.

\* Lower priority of mailx package to extra.

\* Standards-Version: 3.8.0 (no changes).

\* Remove duplicated `it' from description (lintian).

-- Robert Luberda <robert@debian.org> Sat, 01 Nov 2008

12:40:12 +0100

bsd-mailx (8.1.2-0.20071201cvs-3) unstable; urgency=low

\* Lower priority of mailx package to optional (see #477124).

\* copyright: Add a copyright notice (lintian).

\* Build depend on debhelper >= 6 (lintian).

\* Change doc-base section to Network/Communication (lintian).

-- Robert Luberda <robert@debian.org> Sat, 26 Apr 2008 09:52:18 +0200

bsd-mailx (8.1.2-0.20071201cvs-2) unstable; urgency=medium

\* Add conflict with old mailx packages (closes: #459621).

\* Standards-Version: 3.7.3 (no changes).

\* Fix invalid regexp in postinst.

-- Robert Luberda <robert@debian.org> Tue, 08 Jan 2008 23:01:18 +0100

bsd-mailx (8.1.2-0.20071201cvs-1) unstable; urgency=low

\* New upstream version.

\* Rename package to bsd-mailx, and create dummy mailx package for smooth upgrades.

\* Manage /usr/bin/mailx with update-alternatives to allow other packages like mailutils or nail to be installed together with bsd-mailx.

\* Remove outdated preinst script.

--

Robert Luberda <robert@debian.org> Sat, 01 Dec 2007 12:54:13 +0100

mailx (1:8.1.2-0.20071017cvs-2) unstable; urgency=low

\* collect.c: Oops, for debugging I commented out the line responsible for removing temporary, and forgot to uncomment it...

-- Robert Luberda <robert@debian.org> Fri, 19 Oct 2007 23:10:11 +0200

mailx (1:8.1.2-0.20071017cvs-1) unstable; urgency=low

\* New upstream version from OpenBSD CVS repository.  
\* send.c: treat messages which contain only a new line sign as empty messages (closes: #355545).  
\* Fix `debian-rules-ignores-make-clean-error' lintian warning.  
\* Bump debhelper compat mode to v6.

-- Robert Luberda <robert@debian.org> Thu, 18 Oct 2007 23:35:53 +0200

mailx (1:8.1.2-0.20070424cvs-1) unstable; urgency=low

\* New upstream version from OpenBSD CVS repository.  
\* Standards-Version: 3.7.2.  
\* Lower package priority to standard to match the override file.  
\* main.c: Replace with spaces any embeded newline passed in arguments for '-s' and '-a' options (closes: #419840).  
\* mail.1: Fix a typo (closes: #411420).

-- Robert Luberda <robert@debian.org> Thu, 03 May 2007 12:09:36 +0200

mailx (1:8.1.2-0.20050715cvs-1) unstable; urgency=low

\* New upstream version from OpenBSD CVS repository:  
+ fixed segfault in list.c (closes: #313306).  
\* Standard-Version: 3.6.2 (no changes).

-- Robert Luberda <robert@debian.org> Fri, 15 Jul 2005 00:28:33 +0200

mailx (1:8.1.2-0.20040524cvs-4) unstable; urgency=low

\* Fix documentation of sendmail options in the man page and in the mailx's usage output (closes: #285259).

-- Robert Luberda <robert@debian.org> Sat, 18 Dec 2004 13:58:28 +0100

mailx (1:8.1.2-0.20040524cvs-3) unstable; urgency=medium

\* fio.c: Fix segfault on wildcard expansion introduced in previous upload.  
Thanks to Yuri D'Elia for noticing this (see bug#148389).

-- Robert Luberda <robert@debian.org> Sat, 13 Nov 2004 22:23:14 +0100

mailx (1:8.1.2-0.20040524cvs-2) unstable; urgency=medium

\* Bugfix release (closes: #278748):  
+ fio.c: Use wordexpr() instead of calling /bin/echo not to allow  
executing external commands while expanding shell variables  
and wildcards.  
+ names.c: isfileaddr function return false if '@', '!' or '%' i  
characters occur anywhere (e.g not only before the slash) in the  
recipient name.

-- Robert Luberda <robert@debian.org> Wed, 3 Nov 2004 20:46:39 +0100

mailx (1:8.1.2-0.20040524cvs-1) unstable; urgency=low

\* New upstream version from OpenBSD CVS repository.  
\* debian/control: add exim4 alternative to mail-transport-agent  
dependency (closes: #248498).  
\* USD.doc/mail\*.nr: changed references from /usr/lib/Mail.rc to  
/etc/mail.rc.  
\* USD.doc/Makefile, debian/rules: generate and install manual.txt  
(like in the upstream version).  
\* Removed lintian override file, it's no longer needed.  
\* Add lintian source overrides for `cvsignore-file-in-source'  
and `source-contains-CVS-dir'.

--

Robert Luberda <robert@debian.org> Mon, 24 May 2004 23:03:47 +0200

mailx (1:8.1.2-0.20031014cvs-2) unstable; urgency=medium

\* edit.c: if the external editor (called by ~e or ~v commands) fails for  
some reason, don't delete the temporary file if it has been modified.  
This partly fixes bug#148037.  
\* popen.c: print exit code of failed commands.  
\* quit.c: change message saying that mailbox was "removed" to "truncated"  
(closes: #196682); mailx does not remove mailboxes, see the entry  
for 1:8.1.2-0.20020316cvs-2 in this changelog for the reason.

-- Robert Luberda <robert@debian.org> Wed, 31 Mar 2004 23:42:19 +0200

mailx (1:8.1.2-0.20031014cvs-1) unstable; urgency=low

\* New upstream version from OpenBSD.

- \* Fix problem with building on Hurd (closes: #213929).
- \* mail.1: removed reference to non-existent lockspool man page.
- \* Standards-Version: 3.6.1 (no changes).

-- Robert Luberda <robert@debian.org> Tue, 14 Oct 2003 20:48:51 +0200

mailx (1:8.1.2-0.20030521cvs-1)  
unstable; urgency=low

- \* New upstream version from OpenBSD.
- \* Added EXT/vis.[ch] files, needed for compiling this version.
- \* Minor fix in Makefile (closes: #181022).
- \* debian/control: Remove ending dot from synopsis line (lintian).
- \* Standards-Version: 3.5.10 (no changes).

-- Robert Luberda <robert@debian.org> Thu, 22 May 2003 21:12:21 +0200

mailx (1:8.1.2-0.20020411cvs-5) unstable; urgency=low

- \* cmd1.c: Check if return value of screensize() > 0 (closes: #170784).
- \* Support DEB\_BUILD\_OPTIONS=noopt instead of debug.
- \* Build with debhelper v4.
- \* Standards-Version: 3.5.8.

-- Robert Luberda <robert@debian.org> Sat, 7 Dec 2002 11:42:34 +0100

mailx (1:8.1.2-0.20020411cvs-4) unstable; urgency=low

- \* send.c: Always wait for a sendmail process, check its exit code and if non-zero, print a warning message to user and save original message to ~/dead.letter (closes: #145379).
- \* popen.c: Make wait\_child() return an exit code of the child.

- \* mail.1:  
s/^\.ne li\$/.ne/g to fix groff warnings.

-- Robert Luberda <robert@debian.org> Sat, 24 Aug 2002 22:15:23 +0200

mailx (1:8.1.2-0.20020411cvs-3) unstable; urgency=low

- \* aux.c: in function alter() do initialize tv\_usec part of the timeval structure used to set modification time on the mailbox file (closes: #152038).
- Thanks to John Girash for help.

-- Robert Luberda <robert@debian.org> Thu, 11 Jul 2002 05:21:34 +0200

mailx (1:8.1.2-0.20020411cvs-2) unstable; urgency=low

\* collect.c: return from grabh() if stdin is not a terminal.

This fixes the `-I' option (closes: #149005).

-- Robert Luberda <robert@debian.org> Tue, 18 Jun 2002 22:55:27 +0200

mailx (1:8.1.2-0.20020411cvs-1) unstable; urgency=high

\* New upstream CVS snapshot, with only one change, which fixes potential security problem:

+ collect.c:

Don't do tilde escapes unless we are in interactive mode. Now the behavior matches the man page...

\* Many thanks to Michal

Pajak for pointing out the problem.

-- Robert Luberda <robert@debian.org> Thu, 11 Apr 2002 19:07:59 +0200

mailx (1:8.1.2-0.20020316cvs-3) unstable; urgency=low

\* fio.c: fixed previous patch (closes: #140527,#140485).

-- Robert Luberda <robert@debian.org> Tue, 2 Apr 2002 07:14:58 +0200

mailx (1:8.1.2-0.20020316cvs-2) unstable; urgency=low

\* fio.c: Don't delete mailbox file, always truncate it, because liblockfile fails to remove the lock file if mailbox doesn't exist (closes: #111537).

-- Robert Luberda <robert@debian.org> Wed, 27 Mar 2002 09:20:08 +0100

mailx (1:8.1.2-0.20020316cvs-1) unstable; urgency=low

\* Applied patches from Arnaud Giersch <arnaud.giersch@free.fr> which fix outstanding problems:

+ closes: #37104: Bug in all mailx\* (tested: <=mailx\_8.1.1-10).

+ closes: #71759: mailx concatenates messages.

MANY THANKS FOR YOUR HELP, Arnaud!

\* New upstream version from OpenBSD CVS repository:

+ closes: #34752: mail causes segmentation

fault when pushing Ctrl+C.

\* This version uses strlcpy&strlcat functions, appropriate files were included in Debian patch.

\* Added upstream changelog file, generated by hand from CVS logs using `cvs2cl --no-wrap -S'.

\* Makefile: added -p option to install (preserve timestamps of installed files).

-- Robert Luberda <robert@debian.org> Tue, 26 Mar 2002 05:47:53 +0100

mailx (1:8.1.2-0.20010922cvs-3) unstable; urgency=low

\* debian/copyright: text of BSD license can be found in common-licences,  
so do not include it here...

-- Robert Luberda <robert@debian.org> Fri, 4 Jan 2002 08:13:30 +0100

mailx (1:8.1.2-0.20010922cvs-2) unstable; urgency=low

\* debian/copyright: removed 3th paragraph from the text of BSD license  
as suggested by Branden Robinson (closes: #123828).  
\* Upgraded standards version to 3.5.6 (no changes needed).

-- Robert Luberda <robert@debian.org> Sat, 22 Dec 2001 21:56:31 +0100

mailx (1:8.1.2-0.20010922cvs-1) unstable; urgency=low

\* New version from OpenBSD cvs repository:  
+ aux.c: In skin(), only add a space after a comma if there is actually a  
space in the input buffer. This prevents a rare buffer overflow on very  
long header lines... (closes: #108677). See #108677 for more info.  
+ aux.c: In skin() don't die if realloc() fails since its only purpose is  
to shrink the buffer, not expand it.

\* No other changes was made, so I think this version should go to woody  
as well.

-- Robert Luberda <robert@debian.org> Sun, 23 Sep 2001 21:42:22 +0200

mailx (1:8.1.2-0.20010705cvs-2) unstable; urgency=low

\* Removed exim from exim|mail-transport-agent dependency (closes: #106122).  
\* Added a lintian override file for virtual-package-without-real-package-  
dependency warning.  
\* Fix spelling in description of the package (closes: #106449).

-- Robert Luberda <robert@debian.org> Wed, 8 Aug 2001 23:31:21 +0200

mailx (1:8.1.2-0.20010705cvs-1) unstable; urgency=low

\* New version  
from OpenBSD cvs.  
\* Updated copyright and README.Debian files.  
\* Removed IOSAFE patch - it wasn't used.  
\* REPLYTO can be set in ~/.mailrc too.

-- Robert Luberda <robert@debian.org> Thu, 12 Jul 2001 18:58:01 +0200

mailx (1:8.1.2-0.20010319cvs-4) unstable; urgency=low

- \* Applied patch from Tormod Volden <volden@iqe.phys.ethz.ch>, which adds "showname" option to mailx (closes: #96867).
- \* v7.local.c: Removed /var/spool/mail hack added by Paul in 1:8.1.1-10.1.1
- \* quit.c: Use lockf instead if flock.
- \* quit.c: Add missing newline in `Saved ...' message.
- \* Added doc-base support.
- \* Added versioned dependency on base-files, as suggested in upgrading-checklist for Debian Policy 3.5.4.
- \* Standards-Version: 3.5.5

-- Robert Luberda <robert@debian.org> Tue, 12 Jun 2001 23:43:10 +0200

mailx (1:8.1.2-0.20010319cvs-3) unstable; urgency=low

- \* Applied some patches from FreeBSD:
  - + Add Reply-To header if REPLYTO environment variable is set.
  - + Add In-Reply-To header for replies (closes: #23115).
- \* When saving messages to mbox, print its real filename (closes: #68920).  
Thanks to Tollef Fog Heen for patch.
- \* /etc/mail.rc: Add Delivered-To to list of ignored headers.

-- Robert Luberda <robert@debian.org> Wed, 4 Apr 2001 00:20:57 +0200

mailx (1:8.1.2-0.20010319cvs-2) unstable; urgency=low

- \* Don't ask about (B)Cc: header twice (closes: #90822).

-- Robert Luberda <robert@debian.org> Fri, 23 Mar 2001 23:47:43 +0100

mailx (1:8.1.2-0.20010319cvs-1) unstable; urgency=medium

- \* New maintainer (closes: #90146).
- \* New upstream version from OpenBSD CVS repository.
- \* Security fix: don't install mailx binary setgid mail.  
Now the liblockfile library is used for mailbox locking.
- \* cmd3.c: Initialize head variable with NULLs. This should fix problem with garbage text when replying (closes: #84166).
- \* Add conflicts with older suidmanager.
- \* Helpfiles moved to /usr/share/mailx.
- \* Added support for DEB\_BUILD\_OPTIONS=debug,nostrip.
- \* Updated Standards-Version: 3.5.2
- \* Switch to debhelper v3.



\* Updated Build-Depends field.  
\* Closing bugs fixed in NMUs (closes: #23901, #64238, #68725, #68745).

-- Robert Luberda <robert@debian.org> Thu, 22 Mar 2001 08:05:56 +0100

mailx (1:8.1.1-10.3) unstable; urgency=low

\* debian/rules: added install dependency to binary-arch (Closes: Bug#83361).

-- Edward Betts <edward@debian.org> Sun, 28 Jan 2001 14:40:05 -0700

mailx (1:8.1.1-10.2) unstable; urgency=low

\* debian/control: Standards-Version updated.  
\* debian/control: Build-Depends added.  
\* debian/control: Depends line fixed (Closes: Bug#41909).  
\* debian/rules: rewritten, still uses debhelper.  
\* Makefile: man pages moved to /usr/share/man (Closes: Bug#80758).  
\* applied patch from Martin Schulze (Closes: Bug#23356, Bug#13756).  
\* applied patch from Ulf Jaenicke-Roessler <ujr@physik.phy.tu-dresden.de>  
(Closes: Bug#26757, Bug#40424).  
\* misc/mail.help, USD.doc/mail[1568].nr: changed  
references from  
/usr/spool/mail to /var/mail (Closes: Bug#41910).  
\* send.c: Comment out bcc code (Closes: Bug#75232).  
\* pathnames.h: Change default shell from /bin/csh to /bin/sh.  
\* pathnames.h: Change default pager from /bin/more to  
/usr/bin/pager (Closes: Bug#41228).  
\* pathnames.h: Change default editor from /bin/ex to /usr/bin/editor  
(Closes: Bug#66385).  
\* debian/rules: stop using dh\_suidregister

-- Edward Betts <edward@debian.org> Sun, 14 Jan 2001 12:36:16 -0700

mailx (1:8.1.1-10.1.3) frozen unstable; urgency=high

\* Fix the security fix: only accept a couple environment variables  
instead of blindly using them all

-- Wichert Akkerman <wakkerma@debian.org> Tue, 8 Aug 2000 11:42:02 -0700

mailx (1:8.1.1-10.1.2) frozen unstable; urgency=high

\* Another security problem: refuse to get the interactive variable  
from the environment by explicitly setting it in the hashtable.

-- Wichert Akkerman <wakkerma@debian.org> Mon, 7 Aug 2000 12:36:10

-0700

mailx (1:8.1.1-10.1.1) frozen unstable; urgency=high

\* NMU to fix RC bug. Now accepts both /var/mail and /var/spool/mail as allowed places for setgid file manipulation. fixes:#64238

-- Paul Slootman <paul@debian.org> Thu, 8 Jun 2000 19:51:14 +0200

mailx (1:8.1.1-10.1) stable frozen unstable; urgency=high

\* Security fix for a GID=mail shell.

-- Daniel Jacobowitz <dan@debian.org> Sun, 4 Jun 2000 22:45:19 -0700

mailx (1:8.1.1-10) frozen unstable; urgency=high

\* correct major security flaw, patch from Alvaro Martinez Echevarria <alvaro@lander.es>, bug#23880, bug#23901

\* other potential buffer overflow, patch from Juan-Mariano de Goyeneche <jmseyas@selva.dit.upm.es>, bug #22937

-- Loic Prylli <Loic.Prylli@graville.fdn.fr> Sun, 28 Jun 1998 20:15:18 -0400

mailx (1:8.1.1-9) frozen unstable; urgency=high

\* recompile without the signal handling workarounds (lo that eliminate critical bugs where message parts can be lost (#20798) and (#20558)

-- Loic Prylli <lprylli@graville.fdn.fr> Thu, 9 Apr 1998 02:11:26 +0200

mailx (1:8.1.1-8) frozen unstable; urgency=high

\* previous patch broke most file accesses, corrected safe\_open (#20634)

\* try to check every access to Fopen, change "a" into "w" for new files, to suit behaviour of safe\_open.

-- Loic Prylli <lprylli@graville.fdn.fr> Sat, 4 Apr 1998 22:01:19 +0200

mailx (1:8.1.1-7) frozen; urgency=medium

\* security fix for tmp races patch from Martin Schulze (#20059)

-- Loic Prylli <lprylli@graville.fdn.fr> Mon, 23 Mar 1998 22:52:35 +0100

mailx (1:8.1.1-6) unstable; urgency=low

- \* convert to debhelper
- \* changelog now compressed (bug#15431)
- \* removed .orig and .rej from source (bug#18409)

-- Loic Prylli <lprylli@graville.fdn.fr> Sat, 14 Feb 1998 14:34:22 +0100

mailx (1:8.1.1-5) unstable; urgency=low

- \* apply David Brown patch so mailx choose the right window size (#12197)
- \* correct Depends: in control file.

-- Loic Prylli <lprylli@graville.fdn.fr>  
Sat, 15 Nov 1997 00:30:38 +0100

mailx (1:8.1.1-4) unstable; urgency=high

- \* mailx was sending empty message, ignoring user input  
add clearerr when EAGAIN occur in "IOSAFE" code (#14263)

-- Loic Prylli <lprylli@graville.fdn.fr> Tue, 11 Nov 1997 20:22:35 +0100

mailx (1:8.1.1-3.1) unstable; urgency=low

- \* Non-maintainer release.
- \* Libc6 compile. (#11705)
- \* Install missing symlink to manpage. (#7274)

-- Martin Mitchell <martin@debian.org> Wed, 29 Oct 1997 04:34:39 +1100

mailx (1:8.1.1-3) unstable; urgency=low

- \* add dpkg --assert-working-epoch in preinst bug#6850
- \* add writing of pid in mailbox locking file
- \* fix:mailx was not removing temporary lock files

-- Loic Prylli <lprylli@graville.fdn.fr> Sat, 1 Feb 1997 11:44:04 +0100

mailx (1:8.1.1-2) unstable; urgency=low

- \* correct bug #2733 (occur when no space left) dans quit.c
- \* detection of From\_ lines with tring to match the date bug#2010
- \* corrected garble output bug #2284

-- Loic

Prylli <lprylli@graville.fdn.fr> Sat, 28 Dec 1996 15:02:22 +0100

mailx (1:8.1.1-1) unstable; urgency=medium

- \* recreate completely starting from OpenBSD mail version (we loose a lot of extension but we have a working program now)
- \* OpenBSD base version is the last one in december 96
- \* rechange the numbering of version, so epoch 1+8.1 is from 4.4BSD, the last upstream digit is to change each time we update to a new opensbsd version.
- \* fix the problem of longjmp inside signals inside stdio calls
- \* reincorporate a patch to be dot file locking+setgid safe
- \* some fix in signal handling

-- Loic Prylli <lprylli@graville.fdn.fr> Mon, 23 Dec 1996 01:57:44 +0100

Mon Apr 29 17:21:42 1996 Sven Rudolph <sr1@inf.tu-dresden.de>

- \* releasing 8.5.5-1
- \* added symlink /usr/bin/Mail -> /usr/bin/mailx

Thu Apr 25 23:55:36 1996 Sven Rudolph <sr1@inf.tu-dresden.de>

- \* set version number to 8.5.5 because it has to supersede 8.1
- \* switched back to mailx-5.5-kw (see mailx-5.5-kw.diff.README)
- \* no POP support

mailx 8.1 Debian 5 - 10/19/95 Sven Rudolph <sr1@inf.tu-dresden.de>

- \* uses now BSD signal emulation (/usr/include/bsd/signal.h)
- \* added virtual package names in Depends: and Provides fields (Bug#1460)
- \* added Section: field
- \* created symlink for mailx manpage (Bug#1114)

mailx 8.1 Debian 4 - 5/20/95 Carl Streeter <streeter@cae.wisc.edu>

- \* Added diffs from Delman Lee <delman@mipg.upenn.edu>:

Hi! I got mailx-8.1-3 from the Linux Debian distribution, and have added a "hold-pop" option to hold messages on the POP server after retrieving them. (Also fixed a minor bug with mailx thinking that there is mail even if the POP mailbox is empty. Code around stat() below.)

mailx 8.1 Debian 3 - 4/18/95 Carl Streeter <streeter@cae.wisc.edu>

- \* Fixed control file to depend on smail|sendmail. Updated to latest guidelines

Source: bsd-mailx  
Section: mail  
Priority: standard  
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>  
XSBC-Original-Maintainer: Robert Luberda <robert@debian.org>  
Standards-Version: 3.9.4  
Build-Depends: debhelper (>= 9),  
                groff,  
                libbsd-dev (>= 0.3),  
                libblockfile-dev (>= 1.05)  
Vcs-Git: git://anonscm.debian.org/users/robert/bsd-mailx.git  
Vcs-Browser: http://anonscm.debian.org/gitweb/?p=users/robert/bsd-mailx.git

Package: bsd-mailx  
Architecture: any  
Depends: base-files (>= 2.2.0),  
          default-mta | mail-transport-agent,  
          \${misc:Depends},  
          \${shlibs:Depends}  
Provides: mail-reader, mailx  
Breaks: mailutils (<< 1:1.1+dfsg1-4), mailx (<< 1:20071201)  
Replaces: mailx (<< 1:20071201)  
Description: simple mail user agent  
bsd-mailx is the traditional simple command-line-mode mail user agent.  
Even if you don't use it, it may be required by other programs.

.  
The /usr/bin/mail command provided by this package is a very  
simple one,  
and does not include many features that can be found in more advanced  
mail user agents.

.  
For example bsd-mailx DOES NOT support:  
- MIME (i.e. no attachments, no UTF-8 or other charsets support);  
- SMTP protocol (/usr/sbin/sendmail interface only is used);  
- POP3/IMAP (bsd-mailx reads local mailboxes only);  
- maildir format (traditional mbox only format is supported).

.  
If the above features are needed, please consider installing another package  
providing similar /usr/bin/mail interface:  
- heirloom-mailx package,  
- or mailutils package.

## 1.693 libcgroup 0.41

## 1.693.1 Available under license :

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Version 2.1, February 1999

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# 1.694 time 1.9

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Upstream-Contact: Doug Ledford <dledford@redhat.com>,  
Leon Romanovsky <Leon@kernel.org>

Leon Romanovsky <Leon@kernel.org>

Source: <https://github.com/linux-rdma/rdma-core>

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## 1.699 Ivm2 1.02.175

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# 1.705 makedumpfile 0.183

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# 1.712 https-proxy-agent 2.2.4

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https-proxy-agent

=====

### An HTTP(s) proxy `http.Agent` implementation for HTTPS

[![Build Status](https://travis-ci.org/TooTallNate/node-https-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-https-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets).

See the "Examples" section below for more.

Installation

-----

Install with `npm`:

```
``` bash
$ npm install https-proxy-agent
```
```

## Examples

-----

####

`https` module example

```
``` js
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTPS endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'https://graph.facebook.com/tootallnate';
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
  console.log('"response" event!', res.headers);
  res.pipe(process.stdout);
});
```
```

#### `ws` WebSocket connection example

```
``` js
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy
  || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);
```

```

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);

var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
  console.log("'open" event!');
  socket.send('hello world');
});

socket.on('message', function (data, flags) {
  console.log("'message" event! %j %j', data, flags);
  socket.close();
});

```

## API

---

```
### new HttpsProxyAgent(Object options)
```

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests.

This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

- \* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
- \* `port` - Number - Proxy port to connect to. Required.
- \* `protocol` - String - If `https:`, then use TLS to connect to the proxy.
- \* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
- \* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

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-----



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[CONNECT]: [http://en.wikipedia.org/wiki/HTTP\\_tunnel#HTTP\\_CONNECT\\_Tunneling](http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP_CONNECT_Tunneling)

Found in path(s):

\* /opt/cola/permits/1820825167\_1697179278.3305657/0/https-proxy-agent-2-2-4-10-tgz/package/README.md

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The complete list of contributors can be found at: <https://github.com/hapijs/qs/graphs/contributors>

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## 1.729 json-schema 0.2.3

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# 1.732 delayed-stream 1.0.0

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```
# delayed-stream
```

Buffers events from a stream until you are ready to handle them.

```
## Installation
```

```
``` bash
npm install delayed-stream
```
```

```
## Usage
```

The following example shows how to write a http echo server that delays its response by 1000 ms.

```
``` javascript
var DelayedStream = require('delayed-stream');
var http = require('http');
```

```
http.createServer(function(req, res) {
```

```

var delayed = DelayedStream.create(req);

setTimeout(function() {
  res.writeHead(200);
  delayed.pipe(res);
}, 1000);
});
```

```

If you are not using `Stream#pipe`, you can also manually release the buffered events by calling `delayedStream.resume()`:

```

``` javascript
var delayed = DelayedStream.create(req);

setTimeout(function() {
  // Emit all buffered events and resume underlying source
  delayed.resume();
}, 1000);
```

```

## ## Implementation

In order to use this meta stream properly, here are a few things you should know about the implementation.

### ###

#### Event Buffering / Proxying

All events of the `source` stream are hijacked by overwriting the `source.emit` method. Until node implements a catch-all event listener, this is the only way.

However, `delayed-stream` still continues to emit all events it captures on the `source`, regardless of whether you have released the delayed stream yet or not.

Upon creation, `delayed-stream` captures all `source` events and stores them in an internal event buffer. Once `delayedStream.release()` is called, all buffered events are emitted on the `delayedStream`, and the event buffer is cleared. After that, `delayed-stream` merely acts as a proxy for the underlying source.

### ### Error handling

Error events on `source` are buffered / proxied just like any other events. However, `delayedStream.create` attaches a no-op `'error'` listener to the `source`. This way you only have to handle errors on the `delayedStream` object, rather than in two places.

### ### Buffer limits

delayed-stream provides

a `maxDataSize`` property that can be used to limit the amount of data being buffered. In order to protect you from bad `source`` streams that don't react to `source.pause()``, this feature is enabled by default.

### ## API

#### ### DelayedStream.create(source, [options])

Returns a new `delayedStream``. Available options are:

- \* `pauseStream``
- \* `maxDataSize``

The description for those properties can be found below.

#### ### delayedStream.source

The `source`` stream managed by this object. This is useful if you are passing your `delayedStream`` around, and you still want to access properties on the `source`` object.

#### ### delayedStream.pauseStream = true

Whether to pause the underlying `source`` when calling `DelayedStream.create()``. Modifying this property afterwards has no effect.

#### ### delayedStream.maxDataSize = 1024 \* 1024

The amount of data to buffer before emitting an `error``.

If the underlying source is emitting `Buffer`` objects, the `maxDataSize`` refers to bytes.

If the underlying source is emitting JavaScript strings, the size refers to characters.

If you know what you are doing, you can set this property to `Infinity`` to disable this feature. You can also modify this property during runtime.

#### ### delayedStream.dataSize = 0

The amount of data buffered so far.



### delayedStream.readable

An ECMA5 getter that returns the value of `source.readable`.

### delayedStream.resume()

If the `delayedStream` has not been released so far, `delayedStream.release()` is called.

In either case, `source.resume()` is called.

### delayedStream.pause()

Calls `source.pause()`.

### delayedStream.pipe(dest)

Calls `delayedStream.resume()` and then proxies the arguments to `source.pipe`.

### delayedStream.release()

Emits and clears all events that have been buffered up so far. This does not resume the underlying source, use `delayedStream.resume()` instead.

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Found in path(s):

\* /opt/cola/permits/1830745388\_1698153819.4839122/0/fis-components-delayed-stream-1-0-0-0-g42ac44e-1-tar-gz/fis-components-delayed-stream-3c3d86f/Readme.md

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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## 1.747 jsprim 1.4.1

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\* /opt/cola/permits/1897583031\_1706639321.315193/0/example-21-12-dist-info-zip/inputdir/packages\_extracted/wheel/127/example-21.12.dist-info/METADATA

## 1.752 string\_decoder 1.1.1

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