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DOCUMENTATION

ROADMAP

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This file contains the following sections:

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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

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

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

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

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by M.I.T. but is also freely distributable.

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

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

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REFERENCES

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We

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

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

A somewhat less technical, more

leisurely introduction to JPEG can be found in

"The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides

good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

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

The

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

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

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

Literature Department

C-Cube Microsystems, Inc.

1778 McCarthy Blvd.

Milpitas, CA 95035

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

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

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

ARCHIVE LOCATIONS

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

=====

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

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

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

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical

advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether

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

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

TO DO

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

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

As always, speeding things up is of great interest.

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

1.5 jquery 1.7.2

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1.7 xerces-j 2.8.0

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So, if you want, you may use any 2.N.* (N >= 3) version string for future xinetd versions that you release. Note that I am excluding the 2.2.* line; using
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1.12 bzip2 1.0.6

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Julian Seward, Cambridge, UK.

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bzip2/libbzip2 version 1.0.2 of 30 December 2001

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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]
*/

```

1.13 unzip 6.0

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FIRST NOTE:

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

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Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):
Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered 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 unreduced 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
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- *
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- *
- * Basic encoding and decoding of Macintosh files to the
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- * -----

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- * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
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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 decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

1.14 libusb-compat 0.1.5

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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

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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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1.16 net-snmp 5.7.3

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1.18 findutils 4.6.0

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1.19 pam 1.3.0

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1.20 libpcap 1.8.1

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1.22 diffutils 3.6

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1.25 apr-util 1.6.1

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1.26 libmnl 1.0.4

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1.27 sqlite 3.23.1

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1.30 gawk 4.2.1

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized

party saying it may be distributed under the terms of this Library 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.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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:

a) The modified work must itself be a software library.

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

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

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

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

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

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

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

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

threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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Each

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. 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 library's name and a brief idea of what it does.>

Copyright (C) <year>

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This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library 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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You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

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

You should also get your employer (if you work as a programmer) or your

school, if any, to sign a "copyright disclaimer" for the library, if necessary.

Here is a sample; alter the names:

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

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive

or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps:

(1)

assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

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

ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees"

and

"recipients" may be individuals or organizations.

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

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

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

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

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

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

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

The

"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that

Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

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3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section

7. This requirement modifies the requirement in section 4 to

"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

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

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

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical

medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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

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

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

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

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1.31 libtool 2.4.6

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```
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```

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```

```
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```

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1.38 apache-http-server 2.4.34

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```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

X

This file is generated from xml source: DO NOT EDIT

[illegible]

X

 $\dashrightarrow$

```
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
/>
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>
```

```
<link href="/images/favicon.ico" rel="shortcut icon" /></head>  
<body id="manual-page" class="no-sidebar"><div id="page-header">  
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a  
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a  
href="/sitemap.html">Sitemap</a></p>  
<p class="apache">Apache HTTP Server Version 2.4</p>  
</div>  
<div class="up"><a href="/"></a></div>  
<div id="path">  
<a href="http://www.apache.org/">Apache</a> > <a href="http://httpd.apache.org/">HTTP Server</a> > <a  
href="http://httpd.apache.org/docs/">Documentation</a> > <a href="/">Version 2.4</a></div><div id="page-  
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>  
<div class="toplang">  
<p><span>Available Languages:  
</span><a href="/en/license.html" title="English">&nbsp&nbsp&nbspen&nbsp&nbsp&nbsp;</a></p>  
</div>
```

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var comments_shortcode = 'httpd';

var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() == "httpd.apache.org") {

d.write('<div id="comments_thread"></div>');

var s = d.createElement('script');

s.type = 'text/javascript';

s.async = true;

s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +

comments_identifier;

(d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);

}

else {

d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');

}

})(window, document);

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if (typeof(prettyPrint) !== 'undefined') {

prettyPrint();

}

</body></html>

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Content-Language: en

Content-type: text/html; charset=ISO-8859-1

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For the server\util_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*
* md5.c: NCSA HTTPd code which uses the md5c.c RSA Code
*

```

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```
/*                ZeusBench V1.01
=====
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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Michael Campanella (campanella@stevms.enet.dec.com)

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@item

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it

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if the work is a derivative of the Library, you may
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@subheading END OF TERMS AND CONDITIONS

@page

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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```
/* _setjmp is implemented in setjmp.S */
```

```
/* setjmp is implemented in setjmp.S */
```

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1.40 kmod 25

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1.42 gzip 1.9

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Version 3, 29 June 2007

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

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

The

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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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2.1	2.0+1.6.1	2001	PSF	no
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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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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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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

The `:mod:`xmlrpc.lib`` module contains the following notice::

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strtod
and dtoa

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes

2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now		
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History and License

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0.9.0 thru 1.2 n/a	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 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

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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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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

Appendix A. It does not include

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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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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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strtod
and dtoa

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Contributions to the urllib3 project

Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

Contributors

In chronological order:

* victor.vde <<http://code.google.com/u/victor.vde/>>

* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>

* NTLM-authenticated HTTPSConnectionPool

* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>

* Client-verified SSL certificates for HTTPSConnectionPool

* Response gzip and deflate encoding support

* Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>

* Non-multipart encoding for POST requests

* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>

* Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>

* Bugfixes, suggestions, Requests integration

* georgemarshall <<http://github.com/georgemarshall>>

* Bugfixes, Improvements and Test coverage

- * Thomas Kluyver <thomas@kluyver.me.uk>
- * Python 3 support
- * brandon-rhodes <http://rhodesmill.org/brandon>
- * Design review, bugfixes, test coverage.
- * studer <theo.studer@gmail.com>
- * IPv6 url support and test coverage
- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
- * Support for explicitly closing pooled connections
- * hartator <hartator@gmail.com>
- * Corrected multipart behavior for params
- * Thomas Weischuh <thomas@t-8ch.de>
- * Support for TLS SNI
- * API unification of ssl_version/cert_reqs
- * SSL fingerprint and alternative hostname verification
- * Bugfixes in testsuite
- * Sune Kirkeby <mig@ibofobi.dk>
- * Optional SNI-support for Python 2 via PyOpenSSL.
- * Marc Schlaich <marc.schlaich@gmail.com>
- * Various bugfixes and test improvements.
- * Bryce Boe <bbzbryce@gmail.com>
- * Correct six.moves conflict
- * Fixed pickle support of some exceptions
- * Boris Figovsky <boris.figovsky@ravellosystems.com>
- * Allowed to skip SSL hostname verification
- * Cory Benfield
- <http://lukasa.co.uk/about/>
- * Stream method for Response objects.
- * Return native strings in header values.
- * Generate 'Host' header when using proxies.
- * Jason Robinson <jaywink@basshero.org>
- * Add missing WrappedSocket.fileno method in PyOpenSSL
- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- * Fixed a race condition
- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>

- * Added HTTPS (CONNECT) proxy support
- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields
- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters
- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts
- * Peter Waller <p@pwaller.net>
- * HTTPResponse.tell() for determining amount received over the wire
- * Nipunn Koorapati <nipunn1313@gmail.com>
- * Ignore default ports when comparing hosts for equality
- * Danilo @dbrgn <http://dbrgn.ch/>
- * Disabled TLS compression by default on Python 3.2+
- * Disabled TLS compression in pyopenssl contrib module
- * Configurable cipher suites in pyopenssl contrib module
- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- * Account retries on proxy errors
- * Nicolas Delaby <nicolas.delaby@ezeep.com>
- * Use the platform-specific CA certificate locations
- * Josh Schneier <https://github.com/jschneier>
- * HTTPHeaderDict and associated tests and docs
- * Bugfixes, docs, test coverage
- * Tahia Khan <http://tahia.tk/>
- * Added Timeout examples in docs
- * Arthur Grunseid <http://grunseid.com>
- * source_address support and tests (with https://github.com/bui)
- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection
- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.
- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- * Andy Caldwell <andy.m.caldwell@gmail.com>
- * Bugfix related to reusing connections in indeterminate states.

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

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

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

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

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

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

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

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

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

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

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

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

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

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

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

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

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

- * Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance

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

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

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

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

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

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1.45 net-snmp 5.8

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1.46 free-type 2.9.1

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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
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src/pcf/pcfdrivr.c
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src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
```

```

src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

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

Author: Julio Merino <jmmv@NetBSD.org>

* 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.

Author: Julio Merino <jmmv84@gmail.com>

* 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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=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!-- 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:stylesheet>
```

<!--

- Local variables:

- mode: sgml

- End:

-->

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1.48 rsync 3.1.3

1.49 cpio 2.12

1.49.1 Available under license :

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1.53 libevent 2.1.8

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1.54 parted 3.2

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1.57 kerberos 1.16

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
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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
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lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
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lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
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lib/libgss/g_imp_sec_context.c
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lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
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    <div class="rel">

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      <a href="mitK5features.html" title="MIT Kerberos features"
        accesskey="P">previous</a> |
      <a href="copyright.html" title="Copyright"
        accesskey="N">next</a> |
      <a href="genindex.html"
title="General Index"
        accesskey="I">index</a> |
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[illegible]

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

class="o"/>error_tableskdb5_erretkpropkpropd_rpcckpropkproplogc

</pre></div>

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.. parsed-literal::

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

lib/gssapi/mechglue/g\_context\_time.c  
 lib/gssapi/mechglue/g\_delete\_sec\_context.c  
 lib/gssapi/mechglue/g\_dsp\_name.c  
 lib/gssapi/mechglue/g\_dsp\_status.c  
 lib/gssapi/mechglue/g\_dup\_name.c  
 lib/gssapi/mechglue/g\_exp\_sec\_context.c  
 lib/gssapi/mechglue/g\_export\_name.c  
 lib/gssapi/mechglue/g\_glue.c  
 lib/gssapi/mechglue/g\_imp\_name.c  
 lib/gssapi/mechglue/g\_imp\_sec\_context.c  
 lib/gssapi/mechglue/g\_init\_sec\_context.c  
 lib/gssapi/mechglue/g\_initialize.c  
 lib/gssapi/mechglue/g\_inquire\_context.c  
 lib/gssapi/mechglue/g\_inquire\_cred.c  
 lib/gssapi/mechglue/g\_inquire\_names.c  
 lib/gssapi/mechglue/g\_process\_context.c  
 lib/gssapi/mechglue/g\_rel\_buffer.c  
 lib/gssapi/mechglue/g\_rel\_cred.c  
 lib/gssapi/mechglue/g\_rel\_name.c  
 lib/gssapi/mechglue/g\_rel\_oid\_set.c  
 lib/gssapi/mechglue/g\_seal.c  
 lib/gssapi/mechglue/g\_sign.c  
 lib/gssapi/mechglue/g\_store\_cred.c  
 lib/gssapi/mechglue/g\_unseal.c  
 lib/gssapi/mechglue/g\_userok.c  
 lib/gssapi/mechglue/g\_utils.c  
 lib/gssapi/mechglue/g\_verify.c  
 lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
 lib/gssapi/mechglue/mglueP.h  
 lib/gssapi/mechglue/oid\_ops.c  
 lib/gssapi/spnego/gssapiP\_spnego.h  
 lib/gssapi/spnego/spnego\_mech.c

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.. parsed-literal::

include/iprof\_hdr.h  
 kadmin/server/iprof\_svc.c  
 lib/kdb/iprof.x  
 lib/kdb/kdb\_convert.c  
 lib/kdb/kdb\_log.c  
 lib/kdb/kdb\_log.h  
 lib/krb5/error\_tables/kdb5\_err.et  
 kprop/kpropd\_rpc.c  
 kprop/kproplog.c

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```
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/*
```

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 <title>Copyright — MIT Kerberos Documentation</title>
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 <link rel="stylesheet" href="_static/pygments.css" type="text/css" />
 <link rel="stylesheet" href="_static/kerb.css" type="text/css" />
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 HAS_SOURCE: true,
 SOURCELINK_SUFFIX: '.txt'
 };
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 accesskey="C">Contents |
 <a href="mitK5license.html" title="MIT Kerberos License information"
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 accesskey="N">next |
 <a href="genindex.html" title="General Index"
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 <div class="document">

 <div class="documentwrapper">
 <div class="bodywrapper">
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 <div class="section" id="copyright">
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 <input type="hidden" name="check_keywords" value="yes" />
 <input type="hidden" name="area" value="default" />
</form>
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<div class="clearer"></div>
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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
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- lib/gssapi/mechglue/g\_rel\_name.c
- lib/gssapi/mechglue/g\_rel\_oid\_set.c
- lib/gssapi/mechglue/g\_seal.c
- lib/gssapi/mechglue/g\_sign.c
- lib/gssapi/mechglue/g\_store\_cred.c
- lib/gssapi/mechglue/g\_unseal.c
- lib/gssapi/mechglue/g\_userok.c
- lib/gssapi/mechglue/g\_utils.c
- lib/gssapi/mechglue/g\_verify.c
- lib/gssapi/mechglue/gssd\_pname\_to\_uid.c

lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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including  
the following new or changed files:

include/iprof\_hdr.h  
kadmin/server/iprof\_svc.c  
lib/kdb/iprof.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
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import os

import sys

import re

def warn(fname, ln, msg):

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

def indicates\_license(line):

return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment

# is a license statement.

def check\_comment(comment, fname, ln, code\_seen, nonlicense\_seen):

text\_seen = False

is\_license = False

```

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

```

```

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

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

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

 if not in_comment and '/*' in line:
 (line, sep, comment_part) = line.partition('/*')
 comment = [comment_part.strip()]
 comment_starts_at = ln
 in_comment = True
 elif in_comment and '*/' not in line:
 comment.append(line.lstrip('*').rstrip())
 elif in_comment:

```

```

 (comment_part, sep, line) = line.partition('*/')
 comment.append(comment_part.strip())
 is_license = check_comment(comment, fname, comment_starts_at,
 code_seen, nonlicense_seen)
 nonlicense_seen = nonlicense_seen or not is_license
 in_comment = False
 elif line.strip() != "":
 code_seen = True

 ln += 1

for fname in sys.argv[1:]:
 if fname.startswith('./'):
 fname = fname[2:]
 f = open(fname)
 lines = f.readlines()
 f.close()
 check_file(lines, fname)
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/*

```

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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

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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.)

@end enumerate

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@item

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if the work is a derivative of the Library, you may  
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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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this License. Also, you must do one  
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@item

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@subheading END OF TERMS AND CONDITIONS

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smallexample

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@heading Appendix: How to Apply These Terms to Your New Programs

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@smallexample

@var{one line to give the program's name

and a brief idea of what it does.}

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@end smallexample

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:

@smallexample

Gnomovision version

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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necessary. Here is a sample; alter the names:

@example

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@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

@end example

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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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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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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.)

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That's all there is to it!

# 1.61 wget 1.19.5

## 1.61.1 Available under license :

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## TERMS AND CONDITIONS

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The

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## 1.62 json-c 0.13.1

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## 1.63 net-tools 1.60

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/\*

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```
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From strings/apr\_strnatcmp.c,  
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From  
strings/apr\_snprintf.c:

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- \* cvt - IEEE floating point formatting routines.
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#
Don't put empty lines into this file!
#
.gitignore
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builds/unix/pkg.m4
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docs/FTL.TXT
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#
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
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
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## 1.79 coreutils 8.30

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```

```
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```

```
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## 1.84 binutils 2.31.1

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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming,

converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases

for versions 2.7 through 2.9.

David Edelson contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format

(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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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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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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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:

a) The modified work must itself be a software library.

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 License instead of this License

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

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

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

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

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

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

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

Section 6 states terms for distribution of such executables.

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

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

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

Any

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

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

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

a) Accompany the work with the complete corresponding machine-readable

source code for the Library including whatever

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

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

user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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Version 2, June 1991

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

#### Preamble

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

treats it as such.

Because

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

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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:

a) The modified work must itself be a software library.

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.

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

Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

the executable.

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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```
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## 1.93 fontconfig 2.12.6

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 3, 29 June 2007

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The

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section 10

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c) Convey individual copies of the object code with a copy of the

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

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## 1.95 tcl 8.6.8



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.. \_history-and-license:

\*\*\*\*\*

History and License

\*\*\*\*\*

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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| +-----+-----+-----+-----+-----+ |              |           |       |                 |
|---------------------------------|--------------|-----------|-------|-----------------|
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| +=====+=====+=====+=====+=====+ |              |           |       |                 |
| 0.9.0 thru 1.2                  | n/a          | 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       | no  |  |
| +-----+       |           |          |            |     |  |
| 2.1           | 2.0+1.6.1 | 2001     | PSF        | no  |  |
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| +-----+       |           |          |            |     |  |
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| +-----+       |           |          |            |     |  |
| 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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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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## Asynchronous socket services

-----

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Cookie management

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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

-----

The `:mod:`xmlrpc.client`` module contains the following notice::

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Select kqueue

-----

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SipHash24

-----

The file :file:`Python/pyhash.c` contains Marek Majkowski' 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/siphash24/little)

djb (supercop/crypto\_auth/siphash24/little2)

Jean-Philippe Aumasson

(<https://131002.net/siphash/siphash24.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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|                  |                           |
|------------------|---------------------------|
| Jean-loup Gailly | Mark Adler                |
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cfuhash  
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The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project::

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Python was created in the early 1990s by Guido van Rossum at Stichting  
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 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  
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 Zope Corporation. In 2001, the Python Software Foundation (PSF, see  
<https://www.python.org/psf/>) was formed, a non-profit organization  
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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                      |
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# 1.98 gpt-fdisk 1.0.4

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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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## 1.99 file 5.34

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```
-*-makefile-*-
BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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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) $@
```

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# 1.100 gnutls 3.6.4

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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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# 1.101 protobuf 3.6.1

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- \* VI syntax highlighting tweaks.
- \* Fix compiler to not make output executable.

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

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

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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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- \* HP/UX support.

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

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

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- \* 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.

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- \* Added CodedInputStream.getTotalBytesRead().

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

- \* Added atomicops for Solaris

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- \* Fixed minor IBM xLC compiler build issues

- \* Added atomicops for AIX (POWER)

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

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

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

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

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

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

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

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

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

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

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Version 3, 29 June 2007

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

## TERMS AND CONDITIONS

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

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To "modify" a work means to copy from or adapt all or part of the work

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#### 1. Source Code.

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

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

The

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(if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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

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section 10  
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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

## 6. Conveying Non-Source Forms.

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

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

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

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## 1.104 elfutils 0.175

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## 1.105 cronie 1.5.2

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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/bdflib.c

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

src/pcf/pcfread.h

src/pcf/pcfutil.c

src/pcf/pcfutil.h

```
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research

projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.



Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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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>`.

## 1.113 libidn 1.35

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# 1.118 busybox 1.29.2

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# 1.119 guava 12.0.1

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## 1.120 python-setuptools 39.0.1

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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](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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appropriate parts of the General Public License.

Of course, the  
commands you use may be called something other than `show w' and `show  
c'; they could even be mouse-clicks or menu items--whatever suits your  
program.

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if

necessary. Here a sample; alter the names:

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

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

That's all there is to it!

#!/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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<one line to give the program's name and a brief idea of what it does.>  
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands

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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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The

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# 1.124 log-rotate 3.14.0

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Version 2, June 1991

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

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

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

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

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

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

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

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

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

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

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



Sections above.

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## 1.126 dosfs-tools 4.1

### 1.126.1 Available under license :

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The

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## 1.127 libunwind 1.2-rc1

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

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

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

-----

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

-----

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

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

-----

Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

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

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

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

Re: [Cracklib-devel]

cracklib license

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

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

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license  
>=20  
> On Monday 01 October 2007, Neulinger, Nathan wrote:  
> > I understand that, and you're welcome to bring it up with Alec  
> directly  
> > and see if he wants to relicense his code as LGPL... but at this  
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> license  
> change until it was mentioned in the latest notes.  
>=20  
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> applications are also GPL-2 which imo is just wrong. it isnt the  
> place of a  
> library  
to dictact to application writes what license they should  
> be using.  
> thus LGPL-2.1 enters to fill this void.  
> -mike

Re: [Cracklib-devel] cracklib license

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

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

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

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

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

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

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

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

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

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

> > by me.

>

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

>

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

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

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

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

> >

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

> >

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

>

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

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,  
> GPLv2 with the option of using

the library under a later version of the

> GPL would permit applications which were released under version 3 of the  
> GPL to use the library, too, which would be sufficient for the packages  
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.  
>

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

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

-mike

Re: [Cracklib-devel] cracklib license

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

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

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

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

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

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

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

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

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

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

-----

From



alecm@crypticide.com Mon Oct 1 12:26:03 2007  
 Received: from umr-exproto2.cc.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 I91Gxtpr020623  
 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

# 1.131 beecrypt 4.2.1

## 1.131.1 Available under license :

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Version 2, June 1991

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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.

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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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Any executables

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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 Bhmann, 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.

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- 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.

## 1.132 Im-sensors 3.4.0

### 1.132.1 Available under license :

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

Author: Julio Merino <jmmv@users.sourceforge.net>

\* 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.

Author: Julio Merino <jmmv84@gmail.com>

\* 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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=====  
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
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<!-- \$Id\$ -->

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```

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xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">

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</xsl:text>
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 </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
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 </xsl:text>
</xsl:variable>

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 <xsl:with-param name="years" select="year"/>
 </xsl:call-template>
 <xsl:text> </xsl:text>
 <xsl:value-of select="holder"/>
 <xsl:value-of select="$isc.copyright.breakline"/>
 <xsl:text>
</xsl:text>
 </xsl:for-each>
 <xsl:value-of select="$isc.copyright.text"/>
 </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--

```

- Local variables:  
- mode: sgml  
- End:  
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## 1.137 avahi 0.7

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## 1.138 rpm 4.14.2

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Version 2, June 1991

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```
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Upstream-Name: FreeRADIUS server

Source: <https://github.com/FreeRADIUS/freeradius-server>

Files-Excluded: doc/rfc/\*

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Comment: This package was debianized by Chad Miller <cmiller@debian.org> on  
Fri, 24 Nov 2000 16:25:57 -0500.

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Sun, 4 May 2003 03:51:20 +1000

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Source: <http://ipmiutil.sourceforge.net>

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Upstream-Name: ipmiutil

Upstream-Contact: Andy Cress <[arcress@users.sourceforge.net](mailto:arcress@users.sourceforge.net)>

Source: <http://ipmiutil.sourceforge.net>

Comment: This package was debianized by Andy Cress on 2010-10-29,  
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Upstream-Name: ipmiutil

Upstream-Contact: Andy Cress <[arccress@users.sourceforge.net](mailto:arccress@users.sourceforge.net)>

Source: <http://ipmiutil.sourceforge.net>

<http://www.openmash.org/lxr/source/src/getopt.c?c=gsm>

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## 1.141 libunwind 1.2

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text of gpl-2.0.txt:

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include/bsd/vis.h  
man/bitstring.3bsd  
man/errc.3bsd  
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man/fgetln.3bsd  
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man/pidfile.3bsd  
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src/arc4random\_linux.h  
src/arc4random\_openbsd.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/arc4random\_win.h  
src/closefrom.c  
src/getentropy\_aix.c  
src/getentropy\_bsd.c  
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# 1.147 libvirt 4.7.0

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/\* cairo-fdr - a 'flight data recorder', a black box, for cairo

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## 1.149 icu 62

## 1.149.1 Available under license :

```
-*-makefile-*-
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BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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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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```

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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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): \$(OBS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LDFLAGS\_SHLIB) \$(OBS))

\$(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

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--- 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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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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\*\*\*\*\* MD5 Library (common/md5.hpp) \*\*\*\*\*

md5.hpp is a reformulation of the md5.h and md5.c code from <http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c> to allow it to function as a component of a header only library. This conversion was done by Peter Thorson (webmaster@zaphoyd.com) in 2012 for the WebSocket++ project. The changes are released under the same license as the original (listed below)

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L. Peter Deutsch  
ghost@aladdin.com

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

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

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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.

^L

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

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

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

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

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that version instead if you wish.) Do not make any other change in these notices.

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the

complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

^L

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

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

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

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

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials

specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined

with any other library

facilities. This must be distributed under the terms of the Sections above.

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

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To apply these terms, attach the following notices to the library. 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 library's name and a brief idea of what it does.>

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

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You should have received a copy of the GNU Lesser General Public

License along with this library; if not, write to the Free Software  
Foundation, Inc., 51 Franklin Street, Fifth Floor,  
Boston, MA 02110-1301 USA

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

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

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

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

That's all there is to it!

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

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

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

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

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

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

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

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

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

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

> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20

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

=20

change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=

eir=20

applications are also GPL-2 which imo is just wrong. it isnt the place of =

a=20

library to dictact to application writes what license they should be using.=

=20

thus LGPL-2.1 enters to fill this void.

=2Dmike



Re: [Cracklib-devel]

cracklib license

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

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

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

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

> To: Neulinger, Nathan

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

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

>=20

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

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

> directly

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

> point,

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

> it was

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

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

>=20

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

> not

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

> license

> change until it was mentioned in the latest notes.

>=20

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

> unless their

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

> place of a

> library

to dictact to application writes what license they should

> be using.

> thus LGPL-2.1 enters to fill this void.

> -mike

Re: [Cracklib-devel] cracklib license

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

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

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

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

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

think it is in everyone's

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

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

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

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

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

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

> > by me.

>

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

>

> What I am hearing so far is that LGPL makes sense, since it can be

> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

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

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

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

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

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

> > > bit of

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

> > > by me.

> >

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

> >

> > What I am hearing so far is that LGPL makes sense, since it can be

> > linked with any code, not just GPL...

>

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

> timeframe.

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,

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

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

-mike

Re: [Cracklib-devel] cracklib license

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

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

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

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

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

-mike

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

CrackLib was originally licensed with a variant of the Artistic license. In the

interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

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

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

-----

From  
alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.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 I91GxtpR020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from  
[82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.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@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

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Happy now? :-)

-a

# 1.157 iputils 20180629

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\* /pld-linux-rpcbind-auto-th-rpcbind-0-2-4-1-0-g743aa28-tar-gz/pld-linux-rpcbind-743aa28/rpcbind.spec

## 1.159 websocketpp 0.5.1

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Ren Nyffenegger rene.nyffenegger@adp-gmbh.ch

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L. Peter Deutsch  
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<signature of Ty Coon>, 1 April 1990  
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That's all there is to it!

## 1.173 autofs 5.1.4

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## 1.174 pycparser 2.18

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  - 50. [54]Michael Shields <shields@tembel.org> USNO clock driver
  - 51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
  - 52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure  
makeover, various other bits (see the ChangeLog)
  - 53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
  - 54. [58]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
  - 55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK  
clock driver
  - 56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase,  
Solaris issues
  - 57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing  
(libseccomp) support
  - 58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic  
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  - 59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and  
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/\* nicstar.c v0.22 Jawaidd Bazyar (bazyar@hypermall.com)

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

\*

\* Hacked October, 1997 by Jawaidd 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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 */
```

Found in path(s):

```
* /multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c
* /multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
```

## 1.188 glib 2.60.4

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schema/trex.py

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/\*\* Indicates if the call is confidential. \*/

/\*\*

```

* Indicates
if the confidentiality of the call is ensured (ex: via SSL).
*
* @return True if the confidentiality of the call is ensured (ex: via SSL).
*/
/**
* Indicates if the confidentiality of the call is ensured (ex: via SSL).
*
* @param confidential
* True if the confidentiality of the call is ensured (ex: via
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*/

```

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* example via a SSL-secured connection.
*
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\* Indicates if the call came over a confidential channel  
such as an

\* SSL-secured connection.

\*

\* @return True if the call came over a confidential channel.

\*/

Found in path(s):

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\* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperResponse.java

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 sort.  
 \* <p>  
 \*

\* This implementation uses a single comparison pass over the characters in a  
 \* CharSequence, and returns as soon as a differing character is found, unless  
 \* the difference occurs in a series of numeric characters, in which case that  
 \* series is followed to its end. Numeric series of equal length are compared  
 \* numerically, that is, according to the most significant (leftmost) differing  
 \* digit. Series of unequal length are compared by their length.  
 \* <p>  
 \*

\* This implementation appears to be 2-5 times faster than alphanumeric  
 \* comparators based based on substring analysis, with a lighter memory  
 \* footprint.  
 \* <p>  
 \*

\* This alphanumeric comparator has approximately 20%-50% the performance of the  
 \* lexical String.compareTo() operation. Character sequences without numeric  
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 \* <p>  
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/**
 * Authorizer allowing only confidential calls. Confidential
 * calls typically
 * come through HTTPS server connectors.
 *
 * @author Jerome Louvel
 */
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 mode.

\*

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\*/

Found in path(s):

\* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/NetServerHelper.java

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\*/

/\*\* The confidentiality. \*/



```

/**
 * Constructor.
 *
 * @param schemeName
 * The scheme name.
 * @param name
 * The unique name.
 * @param description
 * The description.
 * @param defaultPort
 * The default port.
 * @param confidential
 * The confidentiality.
 */
/**
 * Indicates if the protocol guarantees the confidentiality of the messages
 * exchanged, for example via a SSL-secured connection.
 *
 * @return True if the protocol is confidential.
 */

```

Found in path(s):

\* /org-restlet-2-4-3-sources-jar/org/restlet/data/Protocol.java

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```

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 */

```

/\*\*

- \* Indicates if the message was or will be exchanged confidentially, for
- \* example via a SSL-secured connection.
- \*
- \* @return True if the message is confidential.
- \* @see Request#isConfidential()
- \*/

Found in path(s):

\* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Resource.java

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Found in path(s):

\* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/MethodAnnotationInfo.java

\*

/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/StringUtils.java

\* /org-restlet-2-4-3-sources-jar/org/restlet/representation/DigesterRepresentation.java

\* /org-restlet-2-4-3-sources-jar/org/restlet/representation/AppendableRepresentation.java

\* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ZipClientHelper.java

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*/
/**
 * Sets the reference comparator based on the more friendly
 "Alphanum
 * Algorithm" created by David Koelle. The internal implementation used is
 * based on an optimized public domain implementation provided by Rob
 * Heitman from the Solertium Corporation.
 *
 * @see The original
 * Alphanum Algorithm from David Koelle
 * @see #setComparator(Comparator)
 */

```

Found in path(s):

`/org-restlet-2-4-3-sources-jar/org/restlet/resource/Directory.java`

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```

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- \*/
- /\*\*
- \* Resolves a name into a value. By default, the {@link #createResolver(Map)}
- \* static method can adapt a Java map into a resolver. Another useful method is
- \* {@link #createResolver(Request, Response)}, which can expose a Restlet call
- \* into a compact data model, with the following variables:
- \*
- \* <table>
- \* <tr>
- \* <th>Model property</th>
- \* <th>Variable name</th>
- \* <th>Content type</th>
- \* </tr>
- \* <tr>
- \* <td>request.confidential</td>
- \* <td>c</td>
- \* <td>boolean (true|false)</td>
- \* </tr>
- \* <tr>
- \* <td>request.clientInfo.address</td>
- \* <td>cia</td>
- \* <td>String</td>
- \* </tr>
- \* <tr>
- \* <td>request.clientInfo.upstreamAddress</td>
- \* <td>ciua</td>
- \* <td>String</td>
- \* </tr>
- \* <tr>
- \* <td>request.clientInfo.agent</td>
- \* <td>cig</td>
- \* <td>String</td>
- \* </tr>
- \* <tr>
- \* <td>request.challengeResponse.identifier</td>
- \* <td>cri</td>
- \* <td>String</td>

```

* </tr>
* <tr>
* <td>request.challengeResponse.scheme</td>
* <td>crs</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.date</td>
* <td>d</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.characterSet</td>
* <td>ecs</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.characterSet</td>
* <td>ECS</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.encoding</td>
* <td>ee</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.encoding</td>
* <td>EE</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.expirationDate</td>
* <td>eed</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>response.entity.expirationDate</td>
* <td>EED</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.language</td>
* <td>el</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.language</td>

```

```

* <td>EL</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.modificationDate</td>
* <td>emd</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>response.entity.modificationDate</td>
* <td>EMD</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.mediaType</td>
* <td>emt</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.mediaType</td>
* <td>EMT</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.size</td>
* <td>es</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>response.entity.size</td>
* <td>ES</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>request.entity.tag</td>
* <td>et</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.tag</td>
* <td>ET</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.referrerRef</td>
* <td>f*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>

```

```

* <tr>
* <td>request.hostRef</td>
* <td>h*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.method</td>
* <td>m</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.rootRef</td>
* <td>o*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.protocol</td>
* <td>p</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.resourceRef</td>
* <td>r*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>response.redirectRef</td>
* <td>R*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>response.status</td>
* <td>S</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>response.serverInfo.address</td>
* <td>SIA</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.serverInfo.agent</td>
* <td>SIG</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.serverInfo.port</td>
* <td>SIP</td>

```

```

* <td>Integer</td>
* </tr>
* </table>
*

*
* Below is the list of name sub-parts, for Reference variables, that can
* replace the asterix in the variable names above:

*

*
* <table>
* <tr>
* <th>Reference property</th>
* <th>Sub-part name</th>
* <th>Content type</th>
* </tr>
* <tr>
* <td>authority</td>
* <td>a</td>
* <td>String</td>
* </tr>
* <tr>
* <td>baseRef</td>
* <td>b*</td>
* <td>Reference</td>
* </tr>
* <tr>
* <td>targetRef</td>
* <td>t*</td>
* <td>Reference</td>
* </tr>
* <tr>
* <td>relativePart</td>
* <td>e</td>
* <td>String</td>
* </tr>
* <tr>
* <td>fragment</td>
* <td>f</td>
* <td>String</td>
* </tr>
* <tr>
* <td>hostIdentifier</td>
* <td>h</td>
* <td>String</td>
* </tr>
* <tr>
* <td>identifier</td>
* <td>i</td>

```



```

* <td>String</td>
* </tr>
* <tr>
* <td>path</td>
* <td>p</td>
* <td>String</td>
* </tr>
* <tr>
* <td>query</td>
* <td>q</td>
* <td>String</td>
* </tr>
* <tr>
* <td>remainingPart</td>
* <td>r</td>
* <td>String</td>
* </tr>
* </table>
*
* @author Jerome Louvel
*/

```

Found in path(s):

\* /org-restlet-2-4-3-sources-jar/org/restlet/util/Resolver.java

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Found in path(s):

```
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DispositionReader.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ExpectationWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/DateUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/SystemUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Put.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/Entity.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DateWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/DecoderService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Validator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ReaderRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Template.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Decoder.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/CorsFilter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/PreferenceWriter.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/SslUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/CharacterRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/StringWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/CompositeHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Authenticator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ChallengeRequestReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/ConverterService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Client.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/ReadableSelectionChannel.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/EngineClassLoader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ChildContext.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Conneg.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/TagWriter.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/VariantInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Result.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StatusInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Tag.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Router.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/WriterOutputStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Context.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ImmutableDate.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Range.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Dimension.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/StreamRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/VirtualHost.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/WrapperScheduledExecutorService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentClientDispatcher.java
*
```

/org-restlet-2-4-3-sources-jar/org/restlet/engine/local/LocalClientHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Expectation.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/ReaderInputStream.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderConstants.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ClapClientHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ReadableRepresentation.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ByteArrayRepresentation.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/RepresentationInfo.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/PreferenceReader.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/security/ChallengeAuthenticator.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Route.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adaptor/HttpClientHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/util/ServiceList.java  
 \*  
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/EncodingReader.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Parameter.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentContext.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/Application.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/service/ConnectorService.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/CorsResponseHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/OutputRepresentation.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/FileEntity.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/converter/ConverterHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/InputStreamChannel.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/SmtpPlainHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/service/LogService.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/ThrowableAnnotationInfo.java  
 \*  
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ClientRouter.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/Method.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpServerHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/Response.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/UnclosableOutputStream.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/AuthenticatorHelper.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/CallResolver.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieWriter.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/data/CacheDirective.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/EmptyRepresentation.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieSettingWriter.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/EntityClientHelper.java  
 \*  
 /org-restlet-2-4-3-sources-jar/org/restlet/util/ClientList.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ZipEntryRepresentation.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/security/User.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/security/Role.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/converter/StatusInfoHtmlConverter.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/IdentClient.java  
 \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Status.java

- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ExpectationReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/DirectoryServerResource.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/LocalReference.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/CorsService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/converter/ConverterUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/MediaType.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ReferenceUtils.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/util/SelectionRegistration.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/RecipientInfoReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/Enroler.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ContentTypeReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/RangeWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/AuthenticatorUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ServerRouter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/TagReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentXmlParser.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/WakeupListener.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ConnectorHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/DefaultSslContextFactory.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/ServerAdapter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/ClientInfo.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Variable.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/InputRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/MemoryRealm.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ChannelRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeScheme.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ProductReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/WrapperSslContextSpi.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/HttpResponse.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperList.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/CharacterSet.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderReader.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/DefaultSaxHandler.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/RecipientInfoWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/Edition.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Reference.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/ServerList.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/RouteList.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/Engine.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/RangeFilter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/RecipientInfo.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/ReferenceList.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/Adapter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/Server.java

- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DimensionReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/LanguageWriter.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/resource/ResourceException.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ContextualRunnable.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/CharacterReadingListener.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ZipEntryEntity.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpClientHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/CertificateAuthenticator.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Status.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ObjectRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/AccessLogFormatter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/PipeStream.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/RiapServerHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Post.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/AnnotationInfo.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/resource/Patch.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/Service.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/UnclosableInputStream.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Digest.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/RoleMapping.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperRestlet.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/SelectionChannel.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ChallengeWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/Verifier.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/ServerResource.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/Series.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Metadata.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/BeanInfoUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/RangeInputStream.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeRequest.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/StatusService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpsServerHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/AuthenticationInfo.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Conditions.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/SecretVerifier.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/MethodWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/Variant.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/CookieSetting.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/SelectorFactory.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/StringReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/BlockableChannel.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Warning.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/Restlet.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperRepresentation.java

- \* /org-restlet-2-4-3-sources-jar/org/restlet/Uniform.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/ByteReadingListener.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/NamedValue.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/FormReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/AccessLogFileHandler.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/Group.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CacheDirectiveReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Method.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/FtpClientHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/SimplestFormatter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/RestletHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ContentType.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/RangeReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ServerHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/InternalRouter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ClientHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/WritableRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/TunnelFilter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeMessage.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Disposition.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Extractor.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentServerDispatcher.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/SelectionListener.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/MapVerifier.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/FileClientHelper.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/data/Encoding.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/StringReadingListener.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/SslContextFactory.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/WarningWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ClientRoute.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LogUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/Pool.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ProductWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/DecodeRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/RiapClientHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Delete.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/RangeRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/FlexibleConneg.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DispositionWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Preference.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ChildClientDispatcher.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/TemplateDispatcher.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapters/HttpRequest.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/RoleAuthorizer.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/TokenReader.java

- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/RangeService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/LanguageReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/BufferingRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ProtocolHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/ClientResource.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/WriterRepresentation.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/MetadataWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/Representation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adaptor/ClientCall.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/NbChannelInputStream.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/WarningReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Encoder.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Form.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Product.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/InternetDateFormat.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/ClientProxy.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Filter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/Utils.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/MetadataExtension.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/CaseInsensitiveHashSet.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/Component.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/EncodeRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/TunnelService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/MethodAuthorizer.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeResponse.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/LocalVerifier.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Header.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Finder.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/MethodReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/AlphabeticalComparator.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/Helper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/Realm.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/adaptor/HttpServerHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/FileRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StatusFilter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/WebDavProtocolHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperMap.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/ApplicationHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/routing/TemplateRoute.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StrictConneg.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/SimplerFormatter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/Connector.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/HostRoute.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LoggerFacade.java

- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DimensionWriter.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpProtocolHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieSettingReader.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/security/Authorizer.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/representation/StringRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Language.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/WrapperSslServerSocketFactory.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Redirector.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/HttpBasicHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ListUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/FormUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ConnectionClosingRepresentation.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/NbChannelOutputStream.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/WrapperSslSocketFactory.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/MetadataService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/Cookie.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/util/ReadingListener.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderUtils.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Options.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Get.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/ClientInvocationHandler.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CacheDirectiveWriter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpURLConnectionCall.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/DefaultSslContext.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LogFilter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/EncodingWriter.java
- \*
- /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentHelper.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/MapResolver.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/data/ServerInfo.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/converter/DefaultConverter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/EncoderService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adaptor/ClientAdapter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LoggingThreadFactory.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/DefaultAccessLogFormatter.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/ConnegService.java
- \* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/SetUtils.java

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/\*\*

\* Implemented based on the {@link Protocol#isConfidential()}  
method for the

\* request's protocol returned by {@link #getProtocol()};

\*/

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- /\*\*
- \* Application service capable of running and scheduling
- tasks asynchronously.
- \* The service instance returned will not invoke the runnable task in the
- \* current thread.<br>
- \* <br>
- \* In addition to allowing pooling, this method will ensure that the threads
- \* executing the tasks will have the thread local variables copied from the
- \* calling thread. This will ensure that call to static methods like
- \* {@link Application#getCurrent()} still work.<br>
- \* <br>
- \* Also, note that this executor service will be shared among all Restlets and
- \* Resources that are part of your context. In general this context corresponds
- \* to a parent Application's context. If you want to have your own service
- \* instance, you can use the {@link TaskService#wrap(ScheduledExecutorService)}
- \* method to ensure that thread local variables are correctly set.
- \*
- \* @author Jerome Louvel
- \* @author Doug Lea (docs of ExecutorService in public domain)
- \* @author Tim Peierls
- \*/

Found in path(s):

- \* /org-restlet-2-4-3-sources-jar/org/restlet/service/TaskService.java

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*/
/**
 * Constructor.
 *
 * @param server
 * @param
exchange
 * @param confidential
 */

```

Found in path(s):

\* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpExchangeCall.java

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 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeSerializer.java  
 \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/FactoryProperty.java  
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/axis-1-4-sources-jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeSerializerFactory.java  
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 \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDJAXRPCHandlerInfoChain.java  
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 \* /axis-1-4-sources-jar/org/apache/axis/holders/UnsignedByteHolder.java  
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 /axis-1-4-sources-jar/org/apache/axis/utils/bytecode/ChainedParamReader.java  
 \* /axis-1-4-sources-jar/org/apache/axis/soap/SOAPConnectionImpl.java  
 \* /axis-1-4-sources-jar/org/apache/axis/holders/DurationHolder.java  
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 \* /axis-1-4-sources-jar/org/apache/axis/configuration/EngineConfigurationFactoryFinder.java  
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* /axis-1-4-sources-jar/org/apache/axis/configuration/EngineConfigurationFactoryServlet.java
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Found in path(s):

\* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleListSerializer.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeDeserializer.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleListDeserializer.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/MixedContentType.java  
 \*  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleListDeserializerFactory.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/AnyContentType.java  
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Found in path(s):

```

* /axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentQuery.java
* /axis-1-4-sources-jar/org/apache/axis/management/jmx/WSDDServiceWrapper.java
* /axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentAdministrator.java
* /axis-1-4-sources-jar/org/apache/axis/management/jmx/WSDDTransportWrapper.java
*
* /axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentQueryMBean.java
* /axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentAdministratorMBean.java
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* /axis-1-4-sources-jar/org/apache/axis/types/Duration.java
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Found in path(s):

- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDBeanMapping.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/server/ServletEndpointContext.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/TypeMapping.java
- \* /axis-1-4-sources-jar/org/apache/axis/Handler.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/handler/HandlerChain.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/attachments/PlainTextDataSource.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/HexSerializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/InputStreamBody.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/BackslashUtil.java
- \* /axis-1-4-sources-jar/org/apache/axis/enum/Style.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/SymTabEntry.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/VectorDeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDComProvider.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/FactoryFinder.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/PlainTextDataHandlerDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/EnumSerializer.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/handler/soap/SOAPMessageContext.java
- \* /axis-1-4-sources-jar/org/apache/axis/configuration/XMLStringProvider.java
- \*
- /axis-1-4-sources-jar/javax/xml/soap/SOAPPart.java
- \* /axis-1-4-sources-jar/org/apache/axis/security/servlet/ServletSecurityProvider.java
- \* /axis-1-4-sources-jar/org/apache/axis/security/servlet/ServletAuthenticatedUser.java
- \* /axis-1-4-sources-jar/org/apache/axis/constants/Style.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/TypeMappingImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/MapSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/HexBinary.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/MapDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/ArrayDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/gen/NoopFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/VectorDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/script/BSF.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/NonPositiveInteger.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaInterfaceWriter.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/transport/http/HTTPConstants.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/uuid/UUIDGenFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/MapDeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/session/SimpleSession.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPElement.java

- \* /axis-1-4-sources-jar/org/apache/axis/transport/local/LocalResponder.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/JAXRPCHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/JAFDataHandlerDeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/encoding/AbstractXMLEncoder.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/VectorSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/Token.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/CollectionTE.java
- \* /axis-1-4-sources-jar/org/apache/axis/security/simple/SimpleSecurityProvider.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/holders/LongHolder.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaBeanWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/UnsignedByte.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/TimeSerializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/OctetStreamDataSource.java
- \* /axis-1-4-sources-jar/org/apache/axis/client/AxisClientProxy.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/NMToken.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/mail/MailConstants.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/encoding/Deserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/SerializationContext.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/SimpleSessionHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/AxisHttpSession.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/DeserializerImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/providers/ComProvider.java
- \* /axis-1-4-sources-jar/org/apache/axis/Version.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/utils/cache/JavaClass.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/local/LocalTransport.java
- \* /axis-1-4-sources-jar/javax/xml/soap/Detail.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/net/DefaultHTTPTransportClientProperties.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaBeanFaultWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDUndeployment.java
- \* /axis-1-4-sources-jar/org/apache/axis/Message.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPElementFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/TimeSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/security/simple/SimpleAuthenticatedUser.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaServiceWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/RPCHeaderParam.java
- \* /axis-1-4-sources-jar/org/apache/axis/server/ParamList.java
- \* /axis-1-4-sources-jar/org/apache/axis/FaultableHandler.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDJavaRPCProvider.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/holders/CalendarHolder.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/compiler/AbstractCompiler.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/handler/HandlerInfo.java
- \* /axis-1-4-sources-jar/org/apache/axis/constants/Enum.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/ElementDecl.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaServiceIfaceWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/AxisServiceConfig.java

- \* /axis-1-4-sources-jar/org/apache/axis/holders/MimeMultipartHolder.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/BoundaryDelimitedStream.java
- \* /axis-1-4-sources-jar/org/apache/axis/session/Session.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/cache/MethodCache.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPException.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/Options.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/EnumDeserializerFactory.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/attachments/Attachments.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/HandlerInfoChainFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/BindingEntry.java
- \* /axis-1-4-sources-jar/org/apache/axis/client/async/Status.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/NegativeInteger.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/EnumDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/DimeBodyPart.java
- \* /axis-1-4-sources-jar/org/apache/axis/client/Stub.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/IDKey.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/ElementSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/DocumentDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/constants/Use.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/HexSerializerFactory.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/holders/FloatWrapperHolder.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/utils/BeanUtils.java
- \* /axis-1-4-sources-jar/org/apache/axis/schema/SchemaVersion2000.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/ManagedMemoryDataSource.java
- \* /axis-1-4-sources-jar/org/apache/axis/i18n/MessageBundle.java
- \* /axis-1-4-sources-jar/org/apache/axis/collections/LRUMap.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/CalendarSerializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/compiler/Jikes.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/holders/DoubleHolder.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/net/BooleanHolder.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/ContainedAttribute.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/NodeImpl.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPConstants.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/Base64DeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/Schema.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/utils/Admin.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/PositiveInteger.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDProvider.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/Base64.java
- \* /axis-1-4-sources-jar/org/apache/axis/SOAPPart.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/holders/BigIntegerHolder.java
- \* /axis-1-4-sources-jar/javax/xml/soap/FactoryFinder.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/UndefinedType.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/holders/BooleanHolder.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDBsProvider.java

- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/fromJava/Namespace.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/UnsignedInt.java
- \* /axis-1-4-sources-jar/org/apache/axis/client/async/AsyncCall.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/NodeListImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/uuid/SimpleUUIDGen.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/client/ServiceFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/SerializerFactory.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPFaultElement.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/QNameSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/DefaultEntityResolver.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/Service.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/TypeMappingRegistryImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/net/SunFakeTrustSocketFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/local/Handler.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/compiler/Compiler.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/mail/MailTransport.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPMessage.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/SocketInputStream.java
- \* /axis-1-4-sources-jar/javax/xml/soap/Text.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDRequestFlow.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/encoding/Serializer.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/Call.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaImplWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/monitor/SOAPMonitorConstants.java
- \* /axis-1-4-sources-jar/org/apache/axis/configuration/NullProvider.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/encoding/UTF16Encoder.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/BeanSerializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/BaseType.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/handler/Handler.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/net/IBMJSSESocketFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/image/MerlinIO.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaServiceImplWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaDefinitionWriter.java
- \*
- /axis-1-4-sources-jar/javax/xml/rpc/holders/FloatHolder.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/Stub.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/WSDLUtils.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/NCName.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPFault.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/encoding/EncodedByteArray.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/NamedNodeMapImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleDeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/SAX2EventRecorder.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/NonNegativeInteger.java
- \* /axis-1-4-sources-jar/org/apache/axis/schema/SchemaVersion1999.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/DateSerializer.java

- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/DateDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/UnsignedShort.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/encoding/ser/JAFDataHandlerSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/SkeletonImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/QSMethodHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/client/async/AsyncResult.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/ElementDeserializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/SimpleAxisWorker.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/http/HTTPOAuthHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/EnvelopeHandler.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/soap/SOAPFaultException.java
- \* /axis-1-4-sources-jar/org/apache/axis/i18n/Messages.java
- \* /axis-1-4-sources-jar/org/apache/axis/description/ParameterDesc.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/TypeEntry.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/CalendarDeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/providers/BasicProvider.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/components/image/JDK13IO.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ConstructorTarget.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/FilterPrintWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/OctetStream.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/DateSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/DateDeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/SOAPEnvelope.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleSerializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/TimeDeserializerFactory.java
- \* /axis-1-4-sources-jar/javax/xml/messaging/Endpoint.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/ArrayUtil.java
- \* /axis-1-4-sources-jar/javax/xml/soap/MessageFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/SOAPFaultDetailsBuilder.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/DebugHandler.java
- \*
- /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDTransport.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/MessageWithAttachments.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/Undefined.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/net/DefaultHTTPSTransportClientProperties.java
- \* /axis-1-4-sources-jar/org/apache/axis/security/AuthenticatedUser.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/MimeUtils.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/Emitter.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/QNameSerializer.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/ServiceException.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDElement.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaTypeWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/fromJava/Emitter.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/ImageDataHandlerSerializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaHolderWriter.java

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- /axis-1-4-sources-jar/org/apache/axis/components/uuid/FastUUIDGen.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/DynamicContentDataHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDGlobalConfiguration.java
- \* /axis-1-4-sources-jar/javax/xml/soap/SOAPHeader.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDJAXRPCHandlerInfo.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaClassWriter.java
- \* /axis-1-4-sources-jar/javax/xml/soap/DetailEntry.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/PlainTextDataHandlerSerializer.java
- \* /axis-1-4-sources-jar/javax/xml/rpc/server/ServiceLifecycle.java
- \* /axis-1-4-sources-jar/org/apache/axis/schema/SchemaVersion.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/MethodTarget.java
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 \* /axis-1-4-sources-jar/javax/xml/soap/Node.java  
 \* /axis-1-4-sources-jar/org/apache/axis/AxisEngine.java  
 \* /axis-1-4-sources-jar/org/apache/axis/transport/http/ChunkedOutputStream.java  
 \* /axis-1-4-sources-jar/org/apache/axis/attachments/SourceDataSource.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/BeanPropertyTarget.java  
 \* /axis-1-4-sources-jar/org/apache/axis/components/logger/LogFactory.java  
 \* /axis-1-4-sources-jar/org/apache/axis/utils/DefaultAuthenticator.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/BeanSerializerFactory.java  
 \* /axis-1-4-sources-jar/javax/xml/soap/AttachmentPart.java  
 \* /axis-1-4-sources-jar/javax/xml/rpc/holders/ByteArrayHolder.java  
 \* /axis-1-4-sources-jar/javax/xml/soap/MimeHeaders.java  
 \* /axis-1-4-sources-jar/org/apache/axis/handlers/LogMessage.java  
 \* /axis-1-4-sources-jar/org/apache/axis/wsdl/gen/GeneratorFactory.java  
 \* /axis-1-4-sources-jar/org/apache/axis/client/Transport.java  
 \*  
 /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/Namespaces.java  
 \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaBeanHelperWriter.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/BaseFactory.java  
 \* /axis-1-4-sources-jar/org/apache/axis/providers/java/RPCProvider.java  
 \* /axis-1-4-sources-jar/org/apache/axis/utils/bytecode/ParamNameExtractor.java  
 \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDChain.java  
 \* /axis-1-4-sources-jar/org/apache/axis/server/DefaultAxisServerFactory.java  
 \* /axis-1-4-sources-jar/org/apache/axis/components/net/DefaultCommonsHTTPClientProperties.java  
 \* /axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/MimeInfo.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/CalendarSerializerFactory.java  
 \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/JAFDataHandlerSerializer.java  
 \* /axis-1-4-sources-jar/org/apache/axis/transport/http/SocketHolder.java  
 \* /axis-1-4-sources-jar/org/apache/axis/message/SOAPHeaderElement.java  
 \*  
 /axis-1-4-sources-jar/org/apache/axis/transport/http/SimpleAxisServer.java  
 \* /axis-1-4-sources-jar/org/apache/axis/Part.java  
 \* /axis-1-4-sources-jar/javax/xml/rpc/holders/StringHolder.java  
 \* /axis-1-4-sources-jar/javax/xml/rpc/encoding/TypeMappingRegistry.java

- \* /axis-1-4-sources-jar/org/apache/axis/encoding/TypeMappingRegistry.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/soap/SOAPService.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/DeserializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaUndeployWriter.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDDocument.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/UnsignedLong.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/MD5AttachHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/Base64Serializer.java
- \* /axis-1-4-sources-jar/org/apache/axis/security/SecurityProvider.java
- \* /axis-1-4-sources-jar/org/apache/axis/server/AxisServerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/local/LocalSender.java
- \*
- /axis-1-4-sources-jar/javax/xml/soap/SOAPBody.java
- \* /axis-1-4-sources-jar/org/apache/axis/types/Notation.java
- \* /axis-1-4-sources-jar/org/apache/axis/utils/CLUtil.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/threadpool/ThreadPool.java
- \* /axis-1-4-sources-jar/org/apache/axis/attachments/AttachmentsImpl.java
- \* /axis-1-4-sources-jar/org/apache/axis/encoding/ser/BaseSerializerFactory.java
- \* /axis-1-4-sources-jar/org/apache/axis/configuration/SimpleProvider.java
- \* /axis-1-4-sources-jar/org/apache/axis/message/EnvelopeBuilder.java
- \* /axis-1-4-sources-jar/org/apache/axis/i18n/RB.java
- \* /axis-1-4-sources-jar/org/apache/axis/handlers/SOAPMonitorHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/components/net/TransportClientProperties.java
- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/QSWSDLHandler.java
- \* /axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDParameter.java

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- \* /axis-1-4-sources-jar/org/apache/axis/transport/http/AxisHTTPSessionListener.java
- \* /axis-1-4-sources-jar/org/apache/axis/management/ServiceAdmin.java
- \* /axis-1-4-sources-jar/org/apache/axis/management/jmx/ServiceAdministratorMBean.java

```

*
/axis-1-4-sources-jar/org/apache/axis/management/Registrar.java
* /axis-1-4-sources-jar/org/apache/axis/transport/http/AutoRegisterServlet.java
* /axis-1-4-sources-jar/org/apache/axis/management/jmx/ServiceAdministrator.java
* /axis-1-4-sources-jar/org/apache/axis/utils/ByteArrayOutputStream.java
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* /axis-1-4-sources-jar/org/apache/axis/transport/jms/InvokeTimeoutException.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSSender.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/Handler.java
*
/axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSConnectorManager.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSURLHelper.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSTransport.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSConnectorFactory.java
* /axis-1-4-sources-jar/org/apache/axis/components/jms/JMSVendorAdapterFactory.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/MapUtils.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/SimpleJMSListener.java
* /axis-1-4-sources-jar/org/apache/axis/components/jms/SonicMQVendorAdapter.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSURLConnection.java
* /axis-1-4-sources-jar/org/apache/axis/components/jms/JNDIVendorAdapter.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSConnector.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/TopicConnector.java
* /axis-1-4-sources-jar/org/apache/axis/components/jms/JMSVendorAdapter.java
*
/axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSEndpoint.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSConstants.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/QueueConnector.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/Subscription.java
* /axis-1-4-sources-jar/org/apache/axis/transport/jms/SimpleJMSWorker.java

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\* /axis-1-4-sources-jar/org/apache/axis/components/jms/BeanVendorAdapter.java

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of
the annotation class.
*/

```

Found in path(s):

```
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
```

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- \*/
- /\*\*
- \* Constructs a new {@link Textifier}. <i>Subclasses must not use this
  - \* constructor</i>. Instead, they must use the {@link #Textifier(int)}
  - \* version.
  - \*
  - \* @throws IllegalStateException
  - \* If a subclass calls this constructor.
  - \*/

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\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/package.html

\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/package.html

\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/signature/package.html

\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/package.html

\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/package.html

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\*/

/\*\*

\* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this*  
\* constructor*.* Instead, they must use the  
\* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}  
\* version.

\*

\* @param mv

\* the

method visitor to which this adapter delegates calls.

\* @param access

\* the method's access flags (see {@link Opcodes}).

\* @param name

\* the method's name.

\* @param desc

\* the method's descriptor (see {@link Type Type}).

\* @throws IllegalStateException

\* If a subclass calls this constructor.

\*/

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\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/GeneratorAdapter.java

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- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/Processor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXClassAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/ASMContentHandler.java
- \*
- /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

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/\*\*

\* Creates a new JSRInliner. <i>Subclasses must not use this

\* constructor</i>. Instead, they must use the

\* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}

```

* version.
*
* @param mv
*
the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see {@link Opcodes}). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type}).
* @param signature
* the method's signature. May be <tt>null</tt>.
* @param exceptions
* the internal names of the method's exception classes (see
* {@link Type#getInternalName() getInternalName}). May be
* <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

```

Found in path(s):

\* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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\* Creates a new {@link AnalyzerAdapter}. *Subclasses must not use this*  
 \* constructor*.* Instead, they must use the  
 \* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}  
 \* version.  
 \*  
 \* @param owner  
 \*  
 \* the owner's class name.  
 \* @param access  
 \* the method's access flags (see {@link Opcodes}).  
 \* @param name  
 \* the method's name.  
 \* @param desc  
 \* the method's descriptor (see {@link Type Type}).  
 \* @param mv  
 \* the method visitor to which this adapter delegates calls. May  
 \* be `null`.  
 \* @throws IllegalStateException  
 \* If a subclass calls this constructor.  
 \*/

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- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Value.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Label.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Item.java
- \*
- /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/StaticInitMerger.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/AnnotationVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Frame.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/MethodVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/BasicValue.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassWriter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/Remapper.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/VarInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/AnnotationNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/TypeInsnNode.java
- \*
- /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceMethodVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Edge.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/Method.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/MethodNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/signature/SignatureWriter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LocalVariableNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java

- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/FrameNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Frame.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/ParameterNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/InnerClassNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassReader.java
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- /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/ByteVector.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/JarOptimizer.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/signature/SignatureReader.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/Shrinker.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/MethodInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Subroutine.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
- \*
- /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/CheckMethodAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LabelNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Context.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Interpreter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/SmallSet.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/Constant.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/SourceValue.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/MethodWriter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/IntInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Type.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/InsnList.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/InsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/CheckClassAdapter.java
- \*
- /asm-5-0-3-sources-7-jar/org/objectweb/asm/Handler.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/CheckFieldAdapter.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Analyzer.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/FieldVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/FieldNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LdcInsnNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LineNumberNode.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
- \* /asm-5-0-3-sources-7-jar/org/objectweb/asm/AnnotationWriter.java

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* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
*
/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/ConstantPool.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/InsnNode.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/FieldWriter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
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/asm-5-0-3-sources-7-jar/org/objectweb/asm/Handle.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Attribute.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/Opcodes.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/ASMifier.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/util/Printer.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/NameMapping.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/InstructionAdapter.java
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- \* THE POSSIBILITY OF SUCH DAMAGE.
- \*/
- /\*\*
- \* Constructs a new {@link ClassNode}. *<i>Subclasses must not use this*
- \* constructor*</i>.* Instead, they must use the {@link #ClassNode(int)}
- \* version.
- \*
- \* @throws IllegalStateException
- \* If a subclass calls this constructor.
- \*/

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# 1.209 shared-mime-info 1.1

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The

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include/GL/glxext.h
include/GL/wglxext.h :
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jQuery v 3.5.1

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>  
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>  
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

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Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge.  
Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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## 1.223 pciutils 3.6.2

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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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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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# 1.225 cryptography 2.3

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Andric, Dimitry  
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Behan, Zdenk  
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Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bos, Sander  
Bostley, P.J.  
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Boyce, Keith Garry  
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Bezina, Pavel  
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Wilk, Jakub

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Wood, David

Zacarias, Gustavo

Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro

Blttermann, Mario

Bogusz, Jakub

Buo-ren, Lin

Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez, Francisco  
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Kazik, Duan  
Kelemen, Gbor  
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Koir, Klemen  
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Krznar, Tomislav  
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Sarer, zgr  
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erbnescu, Daniel  
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Uranga, Mikel Olasagasti  
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## 1.229 kerberos 1.16.1

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```
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cmd/krb5/slave/kpropd\_rpc.c  
lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c  
lib/gss\_mechs/mech\_spnego/mech/gssapiP\_spnego.h  
lib/gss\_mechs/mech\_spnego/mech/spnego\_mech.c  
lib/krb5/kadm5/kadm\_host\_srv\_names.c  
lib/krb5/kdb/kdb\_convert.c  
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in  
"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c

lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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

include/iprof\_hdr.h  
kadmin/server/iprof\_svc.c  
lib/kdb/iprof.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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Provides the "\_test\_pytalloc" Python module.

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Mathieu Desnoyers

December 5, 2012

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# Example makefile for build outside of the LTTng-UST tree.

hello:

`${CC} -O2 -I. -o hello -lc -llttng-ust hello.c tp.c`

.PHONY: clean

clean:

`rm -f hello`

LTTng UST - Userspace Tracer

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## 1.235 mime-pull 1.8

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Found in path(s):
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* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/Data.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MIMEParser.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/WeakDataFile.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MIMEMessage.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/Header.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/FinalArrayList.java
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* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MIMEEvent.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MIMEParsingException.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MIMEConfig.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MIMEPart.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/MemoryData.java
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/ChunkInputStream.java
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Found in path(s):
* /mimepull-1-8-sources-2-jar/org/jvnet/mimepull/DataHead.java

```

## 1.236 dmidecode 3.1



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## 1.237 golang 1.12.12

### 1.237.1 Available under license :

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## 1.241 cffi 1.11.5

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## 1.242 python3-asn1crypto 0.24.0-1.ph3

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- Chris McDonough, 2011/02/16

- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE

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

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

software.

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 2.7   | 2.6   | 2010 | PSF | yes |

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#### A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to  
BeOpen.com to form the BeOpen PythonLabs team. In October of the same  
year, the PythonLabs team moved to Digital Creations (now Zope  
Corporation, see <http://www.zope.com>). In 2001, the Python Software  
Foundation (PSF, see <http://www.python.org/psf/>) was formed, a  
non-profit organization created specifically to own Python-related  
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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<br>from | Year      | Owner      | GPL-<br>compatible? (1) |
|----------------|-----------------|-----------|------------|-------------------------|
| 0.9.0 thru 1.2 |                 | 1991-1995 | CWI        | yes                     |
| 1.3 thru 1.5.2 | 1.2             | 1995-1999 | CNRI       | yes                     |
| 1.6            | 1.5.2           | 2000      | CNRI       | no                      |
| 2.0            | 1.6             | 2000      | BeOpen.com | no                      |

|       |           |           |      |         |
|-------|-----------|-----------|------|---------|
| 1.6.1 | 1.6       | 2001      | CNRI | yes (2) |
| 2.1   | 2.0+1.6.1 | 2001      | PSF  | no      |
| 2.0.1 | 2.0+1.6.1 | 2001      | PSF  | yes     |
| 2.1.1 | 2.1+2.0.1 | 2001      | PSF  | yes     |
| 2.2   | 2.1.1     | 2001      | PSF  | yes     |
| 2.1.2 | 2.1.1     | 2002      | PSF  | yes     |
| 2.1.3 |           |           |      |         |
| 2.1.2 | 2002      | PSF       | yes  |         |
| 2.2.1 | 2.2       | 2002      | PSF  | yes     |
| 2.2.2 | 2.2.1     | 2002      | PSF  | yes     |
| 2.2.3 | 2.2.2     | 2003      | PSF  | yes     |
| 2.3   | 2.2.2     | 2002-2003 | PSF  | yes     |
| 2.3.1 | 2.3       | 2002-2003 | PSF  | yes     |
| 2.3.2 | 2.3.1     | 2002-2003 | PSF  | yes     |
| 2.3.3 | 2.3.2     | 2002-2003 | PSF  | yes     |
| 2.3.4 | 2.3.3     | 2004      | PSF  | yes     |
| 2.3.5 | 2.3.4     | 2005      | PSF  | yes     |
| 2.4   | 2.3       | 2004      | PSF  | yes     |
| 2.4.1 | 2.4       | 2005      | PSF  | yes     |
| 2.4.2 | 2.4.1     | 2005      | PSF  | yes     |
| 2.4.3 | 2.4.2     | 2006      | PSF  | yes     |
| 2.4.4 | 2.4.3     | 2006      | PSF  | yes     |
| 2.5   | 2.4       | 2006      | PSF  | yes     |
| 2.5.1 | 2.5       | 2007      | PSF  | yes     |
| 2.5.2 | 2.5.1     | 2008      | PSF  | yes     |
| 2.5.3 | 2.5.2     | 2008      | PSF  | yes     |
| 2.6   | 2.5       | 2008      | PSF  | yes     |
| 2.6.1 | 2.6       | 2008      | PSF  | yes     |
| 2.6.2 | 2.6.1     | 2009      | PSF  | yes     |
| 2.6.3 | 2.6.2     | 2009      | PSF  | yes     |
| 2.6.4 | 2.6.3     | 2009      | PSF  | yes     |
| 2.6.5 | 2.6.4     | 2010      | PSF  | yes     |
| 3.0   | 2.6       | 2008      | PSF  | yes     |
| 3.0.1 | 3.0       | 2009      | PSF  | yes     |
| 3.1   | 3.0.1     | 2009      | PSF  | yes     |
| 3.1.1 | 3.1       | 2009      | PSF  | yes     |
| 3.1.2 | 3.1       | 2010      | PSF  | yes     |
| 3.2   | 3.1       | 2010      | PSF  | yes     |

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

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

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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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# 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

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## 1.246 urllib3 1.23

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# Contributions to the urllib3 project

## Creator & Maintainer

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## Contributors

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\* victor.vde <<http://code.google.com/u/victor.vde/>>

\* HTTPS patch (which inspired HTTPSConnectionPool)

- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- \* NTLM-authenticated HTTPSPool
- \* Basic-authenticated HTTPSPool (merged into make\_headers)
  
- \* niphlod <niphlod@gmail.com>
- \* Client-verified SSL certificates for HTTPSPool
- \* Response gzip and deflate encoding support
- \* Better unicode support for filepost using StringIO buffers
  
- \* btoconnor <brian@btoconnor.net>
- \* Non-multipart encoding for POST requests
  
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- \* studer <theo.studer@gmail.com>
- \* IPv6 url support and test coverage
  
- \* Shivaram Lingamneni <slingamn@cs.stanford.edu>
- \* Support for explicitly closing pooled connections
  
- \* hartator <hartator@gmail.com>
- \* Corrected multipart behavior for params
  
- \* Thomas Weischuh <thomas@t-8ch.de>
- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
- \* Various bugfixes and test improvements.

- \* Bryce Boe <bbzbryce@gmail.com>
- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
- \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield
- <<http://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
- \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- \* Fixed a race condition
  
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- \* Added HTTPS (CONNECT) proxy support
  
- \* Stephen Holsapple <sholsapp@gmail.com>
- \* Added abstraction for granular control of request fields
  
- \* Martin von Gagern <Martin.vGagern@gmx.net>
- \* Support for non-ASCII header parameters
  
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <<http://dbrgn.ch/>>
- \* Disabled TLS compression by default on Python 3.2+
- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- \* Account retries on proxy errors
  
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
- \* Use the platform-specific CA certificate locations



- \* Josh Schneier <<https://github.com/jschneier>>
- \* HTTPHeaderDict and associated tests and docs
- \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <<http://tahia.tk/>>
- \* Added Timeout examples in docs
  
- \* Arthur Grunseid <<http://grunseid.com>>
- \* source\_address support and tests (with <https://github.com/bui>)
  
- \* Ian Cordasco <[graffatcolmingov@gmail.com](mailto:graffatcolmingov@gmail.com)>
- \* PEP8 Compliance and Linting
- \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <[erik.tollerud@gmail.com](mailto:erik.tollerud@gmail.com)>
- \* Support for standard library io module.
  
- \* Krishna Prasad <[kprasad.iitd@gmail.com](mailto:kprasad.iitd@gmail.com)>
- \* Google App Engine documentation
  
- \* Aaron Meurer <[asmeurer@gmail.com](mailto:asmeurer@gmail.com)>
- \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <[abacabadabacaba@gmail.com](mailto:abacabadabacaba@gmail.com)>
- \* Bugfixes
  
- \* Benjamin Meyer <[bm\\_witness@yahoo.com](mailto:bm_witness@yahoo.com)>
- \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <[github@sornars.com](mailto:github@sornars.com)>
- \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <[alex.gaynor@gmail.com](mailto:alex.gaynor@gmail.com)>
- \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <[ttomecek@redhat.com](mailto:ttomecek@redhat.com)>
- \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <<https://github.com/tlynn>>
- \* Respect the warning preferences at import.
  
- \* David D. Riddle <[ddriddle@illinois.edu](mailto:ddriddle@illinois.edu)>
- \* IPv6 bugfixes in testsuite
  
- \* Jon Wayne Parrott <[jonwayne@google.com](mailto:jonwayne@google.com)>
- \* App Engine environment tests.

- \* John Krauss <<https://github.com/talos>>
- \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <<https://github.com/Disassem>>
- \* Fix pool-default headers not applying for url-encoded requests like GET.
  
- \* James Atherfold <[jlatherfold@hotmail.com](mailto:jlatherfold@hotmail.com)>
- \* Bugfixes relating to cleanup of connections during errors.
  
- \* Christian Pedersen <<https://github.com/chripede>>
- \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <<https://github.com/jmoldow>>
- \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
- \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <<https://github.com/obi1kenobi>>
- \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <<https://github.com/a-tal>>
- \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <<https://evanmeagher.net>>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <[jayvdb@gmail.com](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@googlemail.com](mailto:andy.m.caldwell@googlemail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <[jesse@jesseshapiro.net](mailto:jesse@jesseshapiro.net)>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <<http://dafoster.net/>>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <[jeremy@jcline.org](mailto:jeremy@jcline.org)>

- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <palaviv@gmail.com>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <nate.prewitt@gmail.com>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <sethmichaellarson@protonmail.com>
- \* Created selectors  
backport that supports PEP 475.
  
- \* Alexandre Dias <alex.dias@smarkets.com>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <moin18@gmail.com>
- \* Lazily load idna package
  
- \* Tom White <s6yg1ez3@mail2tor.com>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <tim.burke@gmail.com>
- \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <erik@mozilla.com>
- \* Bugfix to pyopenssl vendoring
  
- \* Wolfgang Richter <wolfgang.richter@gmail.com>
- \* Bugfix related to loading full certificate chains with PyOpenSSL backend.
  
- \* Mike Miller <github@mikeage.net>
- \* Logging improvements to include the HTTP(S) port when opening a new connection
  
- \* Ioannis Tziakos <mail@itziakos.gr>
- \* Fix ``util.selectors.\_fileobj\_to\_fd`` to accept ``long``.
- \* Update appveyor tox setup to use the 64bit python.
  
- \* Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
- \* Ongoing maintenance
  
- \* Dominique Leuenberger <dimstar@opensuse.org>

\* Minor fixes in the test suite

\* Will Bond <will@wbond.net>

\* Add Python 2.6 support to ``contrib.securetransport``

\* Aleksei Alekseev <alekseev.yeskela@gmail.com>

\* using auth info for socks proxy

\* Chris Wilcox <git@crwilcox.com>

\* Improve contribution guide

\* Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

\* [Your name or handle] <[email or website]>

\* [Brief summary of your changes]

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## 1.247 python-requests 2.19.1

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# 1.248 ip-address 1.0.22-2.ph3

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Python/Jython

## 1.249 python-pip 18.0

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For details about the Python License, please see doc/Python-License.txt.

History

-----

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

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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 |
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| 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) 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.

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```
<program> Copyright (C) by Bruce Korb - all rights reserved
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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## 1.255 containerd

**v1.0.2+gitcfd04396dc68220d1cecb686a6cc3**

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limitations under the License.

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

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## 1.260 six 1.15.0-3.ph4

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## 1.262 procps 3.3.15



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# 1.263 syslog-ng 3.33.2

## 1.263.1 Available under license :

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FAQ:

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|-------------|-------------------|---------|
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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## 1.273 lvm2 2.02.180

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# 1.278 libnsl 2.28

## 1.278.1 Available under license :

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## 1.279 python-certifi 2018.08.13

### 1.279.1 Available under license :

This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

## 1.280 gdb 5.2

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Any

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Version 3, 29 June 2007

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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of

the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith

Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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gfdl(7), fsf-funding(7).

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to attach them to the start of each source file to most effectively  
state the exclusion of warranty; and each file should have at least  
the ``copyright" line and a pointer to where the full notice is found.

@smallexample

@var{one line to give the program's name and a brief idea of what it does.}  
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@end smallexample

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

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@c man end

## 1.281 libnsl 1.2.0



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# 1.282 zlib 1.2.11

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

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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

\*/

## 1.283 pyyaml 3.13

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## 1.285 lxc 3.1.0

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- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <[marekm@i17linuxb.ists.pwr.wroc.pl](mailto:marekm@i17linuxb.ists.pwr.wroc.pl)>,  
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The of the start-stop-daemon

- \* A rewrite  
of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <[marekm@i17linuxb.ists.pwr.wroc.pl](mailto:marekm@i17linuxb.ists.pwr.wroc.pl)>,  
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# 1.291 mod-security 2.9.0

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\* /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/glob.c

\* /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/glob.h

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- \* /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/domacro.c

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\* /netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/main.c

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\*

/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmdtab.c

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\*  
\* from: @(#)ftp\_var.h 5.9 (Berkeley) 6/1/90  
\* \$Id: ftp\_var.h,v 1.12 1999/10/02 18:39:17 dholland Exp \$  
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\* from: @(#)pathnames.h 5.2 (Berkeley) 6/1/90

\* \$Id: pathnames.h,v 1.1 1996/07/13 23:46:07 dholland Exp \$

\*/

Found in path(s):

# 1.296 libcgrou 1.0.41

## 1.296.1 Available under license :

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Version 2.1, February 1999

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## 1.297 rdma-cm 28.1

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Upstream-Contact: Doug Ledford <dledford@redhat.com>,

Leon Romanovsky <Leon@kernel.org>

Source: <https://github.com/linux-rdma/rdma-core>

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# 1.298 time 1.9

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# 1.299 yajl 2.1.0

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# 1.300 lvm2 1.02.149

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The End

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Any

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```
#!/usr/bin/env bash
MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
This script will read the license file into memory, strip out the copyright, and then
generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e

calculate_md5_sum() {
 local FILE="$1"

 # Read the contents of the file into a variable
 local raw_license_text=$(<"$FILE")

 # Convert to lowercase
 local lowercase_license_text="{raw_license_text,,}"

 # Remove anything before the beginning of the license
 local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

 # Replace line breaks (Windows or Linux) with a single space
 local replaced_linebreaks=$(tr "\r\n" ' ' <<< "$stripped_license_text")

 # Replace multiple spaces with a single space
 local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

 # Strip away any non-printable, non-whitespace characters
 local clean_unprintable_license_text=$(tr
-cd '[:print:][:space:]' <<< "$normalized_license_text")

 # Remove punctuation and special characters
 local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z]//g')

 # Calculate the MD5 sum of the cleaned license text
 local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

 # Output the MD5 sum
 echo "$MD5SUM"
```

```
}
```

```
Check if the FILE argument is provided
if [-z "$1"]; then
 echo "Please provide a FILE as an argument."
 exit 1
fi
```

```
Invoke the function with the provided FILE argument
calculate_md5_sum "$1"

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WEV @@ WEV[B "1

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# 1.310 busybox 1.29.2

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## 1.311 python 3.7.4

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

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include/GL/glxext.h
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This package was added to the e2fsprogs debian source package by  
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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Index: tdbsa/tdb.c

=====  
--- tdbsa.orig/tdb.c

```
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
```

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

- trivial database library - private includes
- 

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Gadi Oxman, August 1995

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```
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```

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

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

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when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision
comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute 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  
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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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```
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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-----  
  
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Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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### Activities

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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!

This is the Debian GNU/Linux prepackaged version of the EXT2 file  
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

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

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

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#

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

#

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

```

#
BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image: $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

```

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".



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

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

This package was put together by Yann Dirson <dirson@debian.org>,  
from sources obtained from a mirror of:  
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Version 1.1 - 26 February 2007

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## 1.327 libtasn 4.13

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## A. HISTORY OF THE SOFTWARE

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

principal author, although it includes many contributions from others.

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5   | 2.4   | 2006 | PSF | yes |
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |
| 3.2   | 3.1   | 2010 | PSF | yes |

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

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

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

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## 1.329 mod-security 2.9.0

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FAQ:

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The

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| Device drivers | src/mesa/drivers/* | MIT, generally |
| Gallium code   | src/gallium/       | MIT            |
| Ext headers    | GL/glext.h         | Khronos        |
|                | GL/glxext.h        | Khronos        |
|                | GL/wglxext.h       | Khronos        |
|                | KHR/khrplatform.h  | Khronos        |

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include/GL/gl.h :

Mesa 3-D  
graphics library

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

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## DOM Level 3 Core Specification v1.0

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1.334 python-setuptools 40.0.0

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1.335 python-pip 18.0

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1.336 gawk 4.2.1

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The

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1.337 sudo 1.9.5p2

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Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
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Brown, Jerry
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Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

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Chornoivan, Yuri
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1.341 zlib 1.2.5

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.5, April 19th, 2010

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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://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

*/

1.342 zlib 1.2.7

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1.343 pam 1.3.0

1.343.1 Available under license :

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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 state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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```
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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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1.344 mpclib 1.1.0

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Any executables

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Version 3, 29 June 2007

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1.346 multipart-parser-c NA

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```
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 */
```

Found in path(s):

```
* /multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
* /multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c
```

1.347 libtomcrypt 1.17

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1.349 pkix ssh 13.5

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- GMP is no longer used, and instead we call BN code from OpenSSL

- Zlib is now external, in a library

- The make-ssh-known-hosts script is no longer included

- TSS has been removed

- MD5 is now external, in the OpenSSL library

- RC4 support has been replaced with ARC4 support from OpenSSL

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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>

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1.351 jsmn

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1.353 mongoose-web-server 3.5

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1.354 shadow 4.6

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1.355 libcgrouP 1.0.41

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1.356 fdisk 2.32.1

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***** MD5 Library (common/md5.hpp) *****

md5.hpp is a reformulation of the md5.h and md5.c code from <http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c> to allow it to function as a component of a header only library. This conversion was done by Peter Thorson (webmaster@zaphoyd.com) in 2012 for the WebSocket++ project. The changes are released under the same license as the original (listed below)

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***** UTF8 Validation logic (utf8_validation.hpp) *****

utf8_validation.hpp is adapted from code originally written by Bjoern Hoehrmann <bjoern@hoehrmann.de>. See <http://bjoern.hoehrmann.de/utf-8/decoder/dfa/> for details.

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/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/calling.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/native/encoder.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_tag.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/string.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/binary.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/debug.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_namedtype.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/octets.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/cer/__main__.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/native/__main__.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/namedval.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/univ.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/opentype.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/base.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/der/test_encoder.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_namedval.py
*
/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/cer/encoder.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/ber/test_encoder.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/cer/test_encoder.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_binary.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_useful.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/ber/eoo.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/integer.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_octets.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/__main__.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/der/__main__.py
* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/char.py

```

* /pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/ber/encoder.py

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Metadata-Version: 1.1

Name: pyasn1

Version: 0.4.4

Summary: ASN.1 types and codecs

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

Author: Ilya Etingof <etingof@gmail.com>

Author-email: etingof@gmail.com

License: BSD

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

Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Education

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

Classifier: Intended Audience :: Telecommunications Industry

Classifier: License :: OSI Approved :: BSD License

Classifier: Natural Language :: English

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.4

Classifier: Programming Language

:: Python :: 2.5

Classifier: Programming Language :: Python :: 2.6

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

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Classifier: Topic :: Communications

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ASN.1 library for Python

=====

.. toctree::

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Abstract Syntax Notation One (ASN.1

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

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

What is ASN.1

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

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

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

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

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

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

ASN.1 applications

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

- * Signaling standards for the public switched telephone network (SS7 family)
- * Network management standards (SNMP, CMIP)
- * Directory standards (X.500 family, LDAP)
- * Public Key Infrastructure standards (X.509, etc.)
- * PBX control (CSTA)
- * IP-based Videoconferencing (H.323 family)
- * Biometrics (BIP, CBEFF,

ACBio)

- * Intelligent transportation (SAE J2735)
- * Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

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

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

Documentation

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

/pyasn1/contents

Use case

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

/example-use-case

Download & Install

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

/download

Changes

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

..

```
toctree::
: maxdepth: 1
```

```
/changelog
```

License

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

```
/license
```

Getting help

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

Books on ASN.1

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

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

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

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

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

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

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

book on the subject.

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ASN.1 library for Python

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

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

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

Features

*

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

* Standards compliant BER/CER/DER codecs

* Dumps/loads ASN.1 structures from Python types

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

* MT-safe

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

Why using pyasn1

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

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

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

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

by

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

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

How to use pyasn1

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

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

Could be expressed in pyasn1 like this:

```
``python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            )
        ),
        DefaultedNamedType(
            'house',
            Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            )
        )
    )
``
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you

can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):

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

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

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

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

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,

list, dict etc.). But ASN.1 types exhibit more complicated behaviour.

To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

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

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

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

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

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

How to get pyasn1

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

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

If something does not work as expected, [open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or

post your question [on Stack Overflow](https://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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1.364 ndg-httpsclient 0.5.1

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1.365 wsgiref 0.1.2

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