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Text Part Number: 78EE117C99-1236308839

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1.604 linux-libc-dev 4.15.0-166.174

1.604.1 Available under license

1.605 goprotobuf 1.3.2

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1.606 pkg-sftp 1.13.2

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1.607 cast 1.4.0

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1.608 afero 1.5.1

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1.610 go-toml 1.9.2

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1.611 jwalterweatherman 1.1.0

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1.614 cast 1.3.1

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1.615 netlink 1.1.0

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1.616 python 3.6.7-1~18.04

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1.617 fsnotify 1.4.9

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1.618 zlib 1.2.11

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1.619 json-java 20210307

1.619.1 Available under license

1.620 protobuf 1.27.1

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1.621 gotenv 1.2.0

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1.622 colorama 0.3.7

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1.623 openssl 1.1.1l

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1.624 activation-api 1.2.1

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1.625 go-ntlmssp 0.0.0-20200615164410-66371956d46c

1.625.1 Available under license

1.626 go.uber.org/atomi 1.9.0

1.626.1 Available under license

1.627 prometheus-client 0.2.0

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1.628 mitchellh-mapstructure 1.4.1

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1.629 opentracing-go 1.1.0

1.629.1 Available under license

1.630 go-systemd 0.0.0-20191104093116-d3cd4ed1dbcf

1.630.1 Available under license

1.631 libxau 1.0.8-1

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1.632 markupsafe 1.0-1build1

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1.633 libutempter 1.1.6-3

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1.634 htop 2.1.0-3

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1.635 zerofree 1.0.4-1

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1.636 libksba 1.3.5-2

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1.637 shared-mime-info 1.9-2

1.637.1 Available under license

1.638 mtr 0.92-1

1.638.1 Available under license

1.639 rtmpdump 2.4+20151223.gitfa8646d.1-1

1.639.1 Available under license

1.640 libmnl 1.0.4-2

1.640.1 Available under license

1.641 libnfnetwork 1.0.1-3

1.641.1 Available under license

1.642 libnetfilter-conntrack 1.0.6-2

1.642.1 Available under license

1.643 dbus-python 1.2.6-1

1.643.1 Available under license

1.644 readline 7.0-3

1.644.1 Available under license

1.645 bc 1.07.1-2

1.645.1 Available under license

1.646 expat 2.2.5-3

1.646.1 Available under license

1.647 libxcb 1.13-1

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1.648 libnl3 3.2.29-0ubuntu3

1.648.1 Available under license

1.649 libnettle6 3.4.1-0ubuntu0.18.04.1

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1.650 libnettle6 3.4.1ubuntu0.1

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1.651 zope-interface 4.3.2-1build2

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1.652 argon2 0~20161029-1.1

1.652.1 Available under license

1.653 go.uber.org/atomi 1.7.0

1.653.1 Available under license

1.654 properties 1.8.5

1.654.1 Available under license

1.655 go-toml 1.9.3

1.655.1 Available under license

1.656 mime-pull 1.9.6

1.656.1 Available under license

1.657 easyjson 0.7.7

1.657.1 Available under license

1.658 xxhash 2.1.1

1.658.1 Available under license

1.1 libjpeg 6b

1.1.1 Notifications :

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

1.1.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

=====

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

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

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

DOCUMENTATION

ROADMAP

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This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

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

rdjpgcom, and wrjpgcom.

*.1 Unix-style man pages for programs (same info as usage.doc).

wizard.doc Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal

documentation:

libjpeg.doc How to use the JPEG library in your own programs.

example.c Sample code for calling the JPEG library.

structure.doc Overview of the JPEG library's internal structure.

filelist.doc Road map of IJG files.

coderrules.doc Coding style rules --- please read if you contribute code.

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

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

OVERVIEW

=====

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

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

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

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

The library is intended to be reused in other applications.

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

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

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

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

coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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

We are required to state that

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

REFERENCES

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We

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

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

A somewhat less technical, more

leisurely introduction to JPEG can be found in

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

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

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

The

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

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

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

Literature Department

C-Cube Microsystems, Inc.

1778 McCarthy Blvd.

Milpitas, CA 95035

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

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

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

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

ARCHIVE LOCATIONS

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The "official" archive site for this software is [ftp.uu.net](ftp://ftp.uu.net) (Internet address 192.48.96.9). The most recent released version can always be found there in directory [graphics/jpeg](ftp://ftp.uu.net/graphics/jpeg/). This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only [ftp.uu.net](ftp://ftp.uu.net) is guaranteed to have the latest official version.

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

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

RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a

few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites,

notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

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

FILE FORMAT WARS

=====

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

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

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

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

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

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

TO DO

=====

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

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

As always, speeding things up is of great interest.

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

1.2 guava 25.0-jre

1.2.1 Available under license :

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Version 2.0, January 2004

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* As of 2010/06/11, this method is identical to the (package private) hash

* method in OpenJDK 7's java.util.HashMap class.

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1.3 slf4j 1.7.7

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1.4 zlib 1.2.3

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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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 ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

```
*/  
/* match.s -- Pentium-optimized version of longest_match()  
* Written for zlib 1.1.2  
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1.5 logback-core 1.1.7

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1.6 bcel 5.2

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1.10 ssl-cert 1.0.39

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1.11 openssl 1.0.2k

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1.13 mime-support 3.60ubuntu1

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1.15 dash 0.5.8-2.10

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1.16 debianutils 4.8.4

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1.17 diffutils 3.6-1

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1.18 grep 3.1-2

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1.19 hostname 3.20

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1.20 libffi 3.2.1-8

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1.21 libsepol 2.7-1

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1.22 sensible-utils 0.0.12

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1.23 adduser 3.116ubuntu1

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Version 2.1, February 1999

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1.27 base-passwd 3.5.44

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

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/*

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1.29 coreutils 8.28-1ubuntu1

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This is the Debian GNU/Linux packaged version of the GNU core utilities.

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

Changes:

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

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lib/fts.c

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lib/rand-isaac.[ch]

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doc/coreutils.texi (The GNU Coreutils Manual)

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1.30 findutils 4.6.0+git+20170828-2

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

Debian maintainer history: The original package was put together by
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Improvements have been made by James Youngman <jay@gnu.org>.

* GNU xargs

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

* GNU locate and its associated utilities were originally
written by James Woods, with enhancements by David MacKenzie, James Youngman
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GNUPG Natural Resources Canada 1998-08-11

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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22

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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

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past and future changes. (new: src/libgcript.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrnnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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Wedgwood 1996-1999.

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Manoj Srivastava <srivasta@debian.org>
arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

1.36 libunistring 0.9.9-0ubuntu1

1.36.1 Available under license :

Format: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=202>
Upstream-Name: libunistring
Upstream-Contact: Bruno Haible <bruno@clisp.org>
Source: <http://ftp.gnu.org/gnu/libunistring/>

Files: *
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1.37 lsb 9.20170808ubuntu1

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>
Upstream-Name: LSB implementation package

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1.38 mawk 1.3.3-17ubuntu3

1.39 sysv-init 2.88dsf-59.10ubuntu1

1.39.1 Available under license :

This package contains the mechanism for executing the right scripts in the right order at bootup/shutdown time, and when changing runlevels. It works through managing symlinks in /etc/rc?.d

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

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

The upstream source is available at:

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

Send patches to sysvinit-devel@nongnu.org.

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The of the start-stop-daemon:

- * A rewrite of the original Debian's
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>,
* public domain.

1.40 zlib 1.2.11.dfsg-0ubuntu2

1.40.1 Available under license :

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

Files-Excluded:

contrib/ada
contrib/amd64
contrib/asm686
contrib/blast
contrib/delphi
contrib/dotzlib
contrib/gcc_gymat64
contrib/infbac9
contrib/inflate86
contrib/iostream
contrib/iostream2
contrib/iostream3
contrib/masmx64
contrib/masmx86
contrib/pascal
contrib/puff
contrib/testzlib
contrib/untgz

contrib/vstudio
doc/rfc*

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

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

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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

1.41 zstd 1.3.3+dfsg-2ubuntu1

1.41.1 Available under license :

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

Upstream-Name: Zstd

Source: <https://github.com/facebook/zstd>

Files-Excluded: appveyor.yml

circle.yml

build/*

programs/windres/*

.travis.yml

.buckversion

.buckconfig

Files: *

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Files: zlibWrapper/examples/*.c

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Files: zlibWrapper/gz*.c

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Files: lib/dictBuilder/divsufsort.*

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1.42 bsdmainutils 11.1.2ubuntu1

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Then the package has been maintained by Charles Briscoe-Smith <cpbs@debian.org>. I gathered data for the 1999-2001 calendar files

from various sources on the Internet, and I'd also like to thank Oliver Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing much useful data on the various religious calendars. I have edited the files they provided to fit calendar's requirements, so any errors should be attributed to me.

After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained it for almost two years, before Tollef Fog Heen <tfheen@debian.org> took over. The package is now maintained by Graham Wilson <bob@decoy.wox.org>.

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1.43 gnutls 3.5.18-1ubuntu1

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Redesign and implementation of the buffering layer.
Initial DTLS implementation.

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TLS Fallback SCSV support (RFC7507).

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lib/accelerated/x86/elf/aes-ssse3-x86.s
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Upstream Authors: David Woodhouse <dwmw2@infradead.org>

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*

Author: Rusty Russell <rusty@rustcorp.com.au>

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doc/examples/tlsproxy/

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tests/pkcs11/pkcs11-mock.*

Author: Jaroslav Imrich <jimrich@jimrich.sk>

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1.44 Isof 4.89+dfsg-0.1

1.44.1 Available under license :

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

Upstream-Name: Isof

Upstream-Contact: <https://lists.rcac.purdue.edu/listinfo/Isof-l>

Source: <ftp://Isof.itap.purdue.edu/pub/tools/unix/Isof/>

Comment: The following changes were made to the upstream tarball:

- 1.) The directory dialects/uw was removed for being non-DFSG and not needed in Debian.
- 2.) The main source was a tarball within a tarball. Only the innermost tarball has been retained.
- 3.) The top-level directory has been stripped away as it embedded the version number making packaging more difficult.

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2004-2009, Norbert Tretkowski <nobse@debian.org>

2012, Raoul Gunnar Borenus <borenus@dfn.de>

2012, Nicholas Bamber <nicholas@peript.co.uk>

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dialects/darwin/libproc/dfile.c dialects/darwin/libproc/dmnt.c dialects/darwin/libproc/machine.h [portions thereof]

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Files: scripts/sort_res.perl5

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1.45 alsa 1.1.3-5ubuntu0.2

1.46 lz4 0.0~r131-2ubuntu3

1.46.1 Available under license :

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

Upstream-Name: lz4

Source: <https://github.com/Cyan4973/lz4>

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1.47 console-setup 1.178ubuntu2.9

1.48 debconf 1.5.66ubuntu1

1.49 apparmor 2.12-4ubuntu5.1

1.49.1 Available under license :

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Any executables

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Version 2, June 1991

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```
* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.3
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* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

Found in path(s):

- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/do_command.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.c
- *

- /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/database.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/entry.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/config.h
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/job.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/user.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/misc.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.c
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.h
- * /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/env.c
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- */

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

```

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```
* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.h
```

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```
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```

```
* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.8
```

```
* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.5
```

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```

```
* user.
```

```

*
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* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie      <paul@vix.com>      uunet!decwrl!vixie!paul
*/

```

Found in path(s):

```

* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/externs.h
* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.h
* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/pathnames.h

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* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie      <paul@vix.com>      uunet!decwrl!vixie!paul
*/

```

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

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

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

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

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably

do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

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

say:
make all

su and say:
make install

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

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

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

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

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

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

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

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron

(or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

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

Found in path(s):

* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/INSTALL

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

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta

was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

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

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the

"crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

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

'make'

'su' and 'make install'

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

kill your existing cron process

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

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

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

ranges with steps -- basically, this step is

as much work as you want to make it)

start up the new cron

(must be done as root)

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

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

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

Found in path(s):

* /cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/README

1.51 acpid 2.0.28-1ubuntu1

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1.52 ebttables 2.0.10.4-3.5ubuntu2.18.04.3

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1.53 at 3.1.20-3.1ubuntu2

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1.55 e2fsprogs 1.44.1-1ubuntu1.1

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*/

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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```
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for details type `show w'.
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```

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necessary. Here is a sample; alter the names:

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

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

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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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Theodore Ts'o
23-June-2007

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```
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```

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

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

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1.56 ethtool 4.15-0ubuntu1

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Source: <https://www.kernel.org/pub/software/network/ethtool/>

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1.57 xfsprogs 4.9.0+nmu1ubuntu2

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1.62 shadow 4.5-1ubuntu2

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1.64 spdylay 1.30.0-1ubuntu1

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@subheading END OF TERMS AND CONDITIONS

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```
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```

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```
@end
smallexample
```

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```

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

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@end iftex
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@end ifinfo

@page

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and a brief idea of what it does.}

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@end smallexample

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@example

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

Ty Coon, President of Vice

@end example

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,

and

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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

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1.66 lxc 3.0.3-0ubuntu1~18.04.1

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1.67 wget 1.19.4-1ubuntu2.2

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Version 3, 29 June 2007

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1.68 mpdecimal 2.4.2-1ubuntu1

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1.69 libyaml 0.1.7-2ubuntu3

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Upstream-Name: LibYAML

Upstream-Contact: Kirill Simonov <xi@resolvent.net>

Source: <http://pyyaml.org/wiki/LibYAML>

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1.70 pyopenssl 17.5.0-1ubuntu1

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1.71 pyserial 3.4-2

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1.72 rsyslog 8.32.0-1ubuntu4

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Version 3, 29 June 2007

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```

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        Name: "GNU General Public License 2.0",  
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package legal

var licenses []string

// RegisterLicense stores the license text.
// It doesn't check whether the text was already present.
func RegisterLicense(text string) {
 licenses = append(licenses, text)
 return
}

// Licenses returns a slice of the licenses.
func Licenses() []string {
 return licenses
}

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Source: <http://launchpad.net/golang-petname>

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```
func initBsdClause2() {
  Licenses["freebsd"] = License{
    Name: "Simplified BSD License",
    PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
      "2 clause bsd", "simplified bsd license"},
    Header: `All rights reserved.
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tomb - support for clean goroutine termination in Go.

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*/

package legal

```
import (
    "testing"
)
```

```
func TestRegisterLicense(t *testing.T) {
    initial := len(licenses)
    RegisterLicense("dummy")
    if initial+1 != len(licenses) {
        t.Fatal("didn't add a license")
    }
}
```

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package cmd

func initMit() {

Licenses["mit"] = License{

 Name: "MIT License",

 PossibleMatches: []string{"mit"},

 Header: `

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```
`  
,  
}  
}
```

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```

```
package cmd
```

```
func initBsdClause3() {
```

```
    Licenses["bsd"] = License{
```

```
        Name:      "NewBSD",
```

```
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
```

```
        Header: `All rights reserved.
```

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```

```
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```

```
package cmd
```

```
func initApache2() {
    Licenses["apache"] = License{
        Name:      "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `
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you may not use this file except in compliance with the License.
You may
obtain a copy of the License at
```

```
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```

```
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    Text: `
```

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```
`  
}  
}
```

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mgo - MongoDB driver for Go

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Paul Borman <borman@google.com>

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```
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    Licenses["lgpl"] = License{
        Name:      "GNU Lesser General Public License",
        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
        Header: `
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```

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```
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```

```
package cmd
```

```
func initGpl3() {  
    Licenses["gpl3"] = License{  
        Name:      "GNU General Public License 3.0",  
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},  
        Header: `This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the  
Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

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```
`  
,  
}  
}
```

```
package cmd
```

```
func initAgpl() {  
    Licenses["agpl"] = License{  
        Name:      "GNU Affero General Public License",  
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},  
        Header: `
```

```
This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU Affero General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
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```
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```

```
Text: `      GNU AFFERO GENERAL PUBLIC LICENSE  
            Version 3, 19 November 2007
```

```
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```
`  
,  
}  
}
```

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theory

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package cmd

import (

 "strings"

 "time"

 "github.com/spf13/viper"

)

// Licenses contains all possible licenses a user can choose from.

var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of

```

// the license, its possible matches (on the command line as given to cobra),
// the
// header to be used with each file on the file's creating, and the text
// of the license
type License struct {
    Name      string // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text      string // License text data
    Header    string // License header for source files
}

func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()
    initBsdClause2()
    initGpl2()
    initGpl3()
    initLgpl()
    initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }

    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text")
    {
        return License{Header: viper.GetString("license.header"),
            Text: viper.GetString("license.text")}
    }

    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }

    // If user didn't set any license, use Apache 2.0 by default.

```

```

return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")

    year := viper.GetString("year") // For tests.
    if year == "" {
        year = time.Now().Format("2006")
    }

    return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {
        er("unknown license: " + name)
    }
    return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank
// string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
    if name == "" {
        return ""
    }

    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }

    return ""
}

```

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Protocol Buffers for Go with Gadgets

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

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1.77 pciutils 3.5.2-1ubuntu1.1

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1.80 libpng 1.6.34-1ubuntu0.18.04.1

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"Source code" for a work means the preferred form of the work for

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

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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.)

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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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1.82 libxcb 1.13-2~ubuntu18.04

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1.83 polkit 0.105-20ubuntu0.18.04.5

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

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

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

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If 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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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.

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1.84 policykit 0.105-20ubuntu0.18.04.5

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1.85 shadow 4.5-1ubuntu1

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1.86 xorg 7.7+19ubuntu7.1

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Source Package: xorg

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1.87 zjsonpatch 0.3.0

1.88 scowl 2017.08.24-1

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1.90 ltrace 0.7.3-6ubuntu1

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<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
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  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
```

```

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  <license>
    <name>The Apache Software License, Version 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    <distribution>repo</distribution>
  </license>
</licenses>
<developers>
  <developer>
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    <name>MIFRAH Youssef</name>
    <email>mifmif.com@gmail.com</email>
  </developer>
  <developer>
    <id>mkolisnyk</id>
    <name>mkolisnyk</name>
    <email>kolesnik.nickolay@gmail.com</email>
  </developer>
</developers>

<parent>
  <groupId>org.sonatype.oss</groupId>
  <artifactId>oss-parent</artifactId>
  <version>7</version>
</parent>

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  <url>https://github.com/mifmif/Generex.git</url>
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  <notifier>
    <address>mifmif.com@gmail.com</address>
    <type>mail</type>
  </notifier>
  <notifier>
    <address>kolesnik.nickolay@gmail.com</address>
    <type>mail</type>
  </notifier>

```



```

</notifiers>
</ciManagement>

<distributionManagement>
  <snapshotRepository>
    <id>ossrh</id>
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  </snapshotRepository>
  <repository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
  </repository>
</distributionManagement>

```

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  <testSourceDirectory>src/test/java</testSourceDirectory>
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    <resource>
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    </resource>
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        <include>**/*.properties</include>
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    </resource>
  </resources>
  <plugins>
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      <artifactId>maven-install-plugin</artifactId>
      <version>2.5.2</version>
      <configuration>
        <file>target/${project.artifactId}-${project.version}.jar</file>
        <groupId>${project.groupId}</groupId>
        <artifactId>${project.artifactId}</artifactId>
        <version>${project.version}</version>
      </configuration>
    </plugin>
  </plugins>

```

```

    <packaging>maven-plugin</packaging>
  </configuration>
</plugin>

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  <configuration>
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    <target>1.5</target>
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</plugin>
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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-jar-plugin</artifactId>
  <version>3.0.2</version>
  <configuration>
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      <exclude>com/thoughtworks/**/*</exclude>
      <exclude>freemarker/**/*</exclude>
      <exclude>ftl/**/*</exclude>
      <exclude>i18n/**/*</exclude>
      <exclude>style/**/*</exclude>
      <exclude>junit/**/*</exclude>
      <exclude>licenses/**/*</exclude>
      <exclude>META-INF/maven/**/*</exclude>
      <exclude>org/codehaus/**/*</exclude>
      <exclude>org/hamcrest/**/*</exclude>
      <exclude>org/jbehave/**/*</exclude>
      <exclude>org/junit/**/*</exclude>
      <exclude>org/testng/**/*</exclude>
      <exclude>org/xmlpull/**/*</exclude>
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        <addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
        <addExtensions>>false</addExtensions>
        <classpathLayoutType>simple</classpathLayoutType>
      </manifest>
    </archive>
  </configuration>
</plugin>

```

```

<plugin>
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  <version>2.6</version>
  <configuration>
    <descriptors>
      <descriptor>./sources.xml</descriptor>
    </descriptors>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-dependency-plugin</artifactId>
  <version>2.10</version>
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  <artifactId>maven-javadoc-plugin</artifactId>
  <version>2.10.3</version>
  <configuration>
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    <nohelp>>false</nohelp>
    <failOnError>>false</failOnError>
    <sourcepath>src/main/java</sourcepath>
  </configuration>
</plugin>
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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-release-plugin</artifactId>
  <configuration>
    <tagNameFormat>v@{project.version}</tagNameFormat>
    <preparationGoals>package
install:install-file</preparationGoals>
    <scmCommentPrefix>#3</scmCommentPrefix>
  </configuration>
</plugin>
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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
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<plugin>
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  <artifactId>maven-source-plugin</artifactId>

```

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    </goals>
  </execution>
</executions>
</plugin>
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    <goals>
      <goal>jar</goal>
    </goals>
  </execution>
</executions>
</plugin>
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<artifactId>maven-gpg-plugin</artifactId>
<executions>
  <execution>
    <id>sign-artifacts</id>
    <phase>deploy</phase>
    <goals>
      <goal>sign</goal>
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  </execution>
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<groupId>org.sonatype.plugins</groupId>
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<configuration>
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  <nexusUrl>https://oss.sonatype.org/</nexusUrl>
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</plugin>
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  <artifactId>maven-pmd-plugin</artifactId>
  <version>3.6</version>
  <configuration>
    <failOnViolation>true</failOnViolation>
    <excludeRoots>
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    </excludeRoots>
    <excludes>
      <exclude>**/HelpMojo.java</exclude>
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</plugin>
<plugin>
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  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>2.10</version>
  <configuration>
    <excludes>**/test/java/**/*.*.java</excludes>
    <configLocation>./sun_checks.xml</configLocation>
  </configuration>
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```

```

<suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
<failOnViolation>true</failOnViolation>
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<execution>
<goals>
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</executions>
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<check>
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</check>
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<artifactId>javancss-maven-plugin</artifactId>
<version>2.0</version>
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<ncssLimit>100</ncssLimit>

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```

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    <execution>
      <goals>
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    </execution>
  </executions>
</plugin>
<plugin>
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  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.1</version>
  <configuration>
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      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
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  <artifactId>jdepend-maven-plugin</artifactId>
  <version>2.0</version>
</plugin>
</plugins>
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  <dependency>
    <groupId>dk.brics.automaton</groupId>
    <artifactId>automaton</artifactId>
    <version>1.11-8</version>
  </dependency>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
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</dependencies>

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</dependency>
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  <artifactId>hamcrest-junit</artifactId>
  <version>2.0.0.0</version>
  <scope>test</scope>
</dependency>
</dependencies>
</project>

```

Found

in path(s):

* /generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml

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*/

Found in path(s):

* /generex-1-0-2-sources-1-jar/com/mifmif/common/regex/GenerexIterator.java

* /generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Generex.java

* /generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Node.java

* /generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterator.java

* /generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Main.java

*

/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterable.java

1.93 animal-sniffer-annotation 1.14

1.94 libunistring 0.9.9-0ubuntu2

1.94.1 Available under license :

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```
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Gnomovision
comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
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under certain conditions; type 'show c' for details.
```

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commands you use may be called something other than 'show w' and 'show
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```
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!

1.96 powermgmt-base 1.33

1.96.1 Available under license :

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1.97 keyutils 1.5.9-9.2ubuntu2

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

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1.100 free-type 2.8.1-2ubuntu2

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#
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#
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#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/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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1.102 cron 3.0pl1-128.1ubuntu1

1.103 ca-certificates 20180409

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1.108 gson 2.8.2

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- * /gson-2-8-2-sources-jar/com/google/gson/stream/MalformedJsonException.java
- * /gson-2-8-2-sources-jar/com/google/gson/stream/JsonScope.java
- * /gson-2-8-2-sources-jar/com/google/gson/stream/JsonToken.java
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* /gson-2-8-2-sources-jar/com/google/gson/JsonStreamParser.java
* /gson-2-8-2-sources-jar/com/google/gson/FieldAttributes.java
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* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
*
/gson-2-8-2-sources-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/TypeAdapters.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonTreeReader.java
* /gson-2-8-2-sources-jar/com/google/gson/TypeAdapterFactory.java
* /gson-2-8-2-sources-jar/com/google/gson/TypeAdapter.java
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* /gson-2-8-2-sources-jar/com/google/gson/GsonBuilder.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonPrimitive.java
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1.110 curl 7.58.0-2ubuntu3.7

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1.111 python-jsonschema 2.6.0-2

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1.114 squashfs-tools 4.3-6ubuntu0.18.04.1

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- * @version 3.0 (December 2000)

- *

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

- *

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

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

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*/

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```

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not
    standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
/*
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 *
 */

```

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

```

```

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

```

```

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

```

```

/* Prototype */
pid_t waitpid(int,
int *, int);

```

```

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

```

```

/*

```

```

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```

```

*

```

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*/

```
#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
```

1.116 debconf 1.5.66

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1.117 chardet 3.0.4-1

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1.118 python-idna 2.6-1

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1.119 python-jsonpointer 1.10-1

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1.120 rubygems-integration 1.11

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1.125 ruby-net-telnet 0.1.1-2

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1.126 python-jsonpatch 1.19+really1.16-1fakesync1

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1.127 python-oauthlib 2.0.6-1

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1.128 log-rotate 3.11.0-0.1ubuntu1

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1.129 ruby-power-assert 0.3.0-1

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1.130 cloud-utils 0.30-0ubuntu5

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1.136 pam 1.1.8-3.6ubuntu2

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

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

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
```

```

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

```

```

+     }
+ }
+ return retval;
+}
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

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

```

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

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

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1.137 newt 0.52.20-1ubuntu1

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1.138 psmisc 23.1-1ubuntu0.1

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~~vvvvnn8||8`j

```

"UUUUUD0`0`00`0`>>>~<~<0`0<~<~$ff$6f`0|nlll0xx000lllllll0|x00f8l8vv00`0``0`00`f<<f000000`000`||0p00
00x8`x8x<l8x`x000xxxx|p00000000`0``0`00`x00|x0xff|ff<ff<1ffflbhhbbbhxh`<ff>x00000xxflxlf``bf8ll8ff|`xxff|lfx
px0000xxx0l8lx00x0fx````x`0xx8l00x|v``|ffxx|vxx8l``v|lvff0p000xx`flxp00000xxxff|v|vf`|x0|004vx0ll8l|0d0000
00000000000vx0xllll|`lllo`|lllllllllllll`ollllllo`ollllllllllllllllllllllllllllll000xx00xx08ld`8d`d8x000xx`8x8l08l8l8x|
x||<ll>~3ff3||pp0000p0`p0p|0f{;x0d``8ll8|f3f~~~~x00x0`f<`0x0xxxvxxxxxx>x<ff<x`0bxbbbxb8lxblllbb`0x000x0x
000xxx000xx000xlfflv`0xx0xxxxxxvxxxxl88l>ll`0x0xxx0x0x`|f|`|0x|v0x|v8lx|vvx|vllx|v8l8x|v~~~xpx`0xxxxxxx
`0p00x0p00x pp00xp00xpx|xv`0xx0xx0xxxvxxx0000|`0v0vxxv0|`xllx`|

```

#

```
# PC Screen (console) Fonts - psf1 header
```

#

```

0      leshort      0x0436      psf screen font data
>2    byte         0          256 characters, no index
>2    byte         1          512 characters, no index
>2 byte 2 256 characters, Unicode index
>2 byte 3 512 characters, Unicode index
>2 byte 4 256 characters, Unicode level 2 index
>2 byte 5 512 characters, Unicode level 2 index
>3 byte x 8x%d

```

#

```
# PC Screen (console) Fonts - psf2 header
```

#

```
0    lelong 0x864ab572 psf2 screen font data
>12 lelong&1 1 with Unicode index
>16 lelong x \b, %d glyphs
>28 lelong x \b, %dx
>24 lelong x \b%d
```

rJ

~~~~~l||888||88<<<<~f~FBBBB~BBBBBb~<fBBf<2xx<fff<~?3?000pcccccgZ<<Z>><~<ffffff{||'8l|8|<~<~<~  
~<0`0\$ff\$88|||88<<<fff\$lllllll||0f8l18v000`0000000f<<f00`||8x~|0`|<|<|0000|||~x00`0~`00`|||8lfff|fff<ff<1fff  
fflfbhxhbfhbxh`<ff:<<xfllxllf`~~~~bf8l18fff|`||fff|lff|'8|~Z<|8l|l888lffff<<0`<0000000<p8<<8l00x|v`~xlfff||<lv|8  
ld``~v|x``lvfff8<f<`flxl18<ffffff|fff|`v|vf``|p|000006vffff<l188l~0fpppv8l3a``a3>ffffff;>c`c>6<>ff;ff<>ff;0<>ff;6  
<>ff;<f`f<<6>c`c>ff>c`c>0>c`c>ff8<<f8<`08<cc6cccc66cccc030>03n;~w6ffffffg6>cccc>cc>cccc>0>cccc>ffffff;0  
ffffff;cccccc?<cc6cccc6cccccccc>~620x000s~f<ff|bfoff~p|88l8l8l8Dfbhxhbf8D8l18:l8l|ffffl18x|v8lx|v8l|8l||~|v><|  
v6666666666666666DDDDDDDDDUUUUUUUUwwwwww`0x|v8x|vvx|vx|vx|v00666666666666666666`L8x|vn8x|vv|





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## 1.149 man-db 2.8.3-2ubuntu0.1

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## 1.152 lua 5.2.4

## 1.153 ruby-minitest 5.10.3-1

## 1.154 ruby-test-unit 3.2.5-1

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```
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it
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```

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```
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```

```
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\* @version 3.0 (December 2000)

\*

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

\*

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

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

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/\* OPENBSD ORIGINAL: sys/sys/poll.h \*/

```
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_
```

```
typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;
```

```
typedef unsigned int nfds_t;
```

```
#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif
```

```
#define INFTIM (-1) /* not
standard */
```

```
int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
/*
```

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- \*/

```
#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H
```

```
#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED
```

```
/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)
```

```
/* Prototype */
pid_t waitpid(int,
int *, int);
```

```
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
```

```

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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

```

## 1.157 ruby-did-you-mean 1.2.0-2

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Version 3, 29 June 2007

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## 1.163 mlocate 0.26-2ubuntu3.1

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AC\_DEFUN([gl\_CANONICALIZE\_LGPL],

[

dnl Do this replacement check manually because the file name is shorter  
dnl than the function name.

AC\_CHECK\_DECLS\_ONCE(canonicalize\_file\_name)

AC\_CHECK\_FUNCS\_ONCE(canonicalize\_file\_name)

if test \$ac\_cv\_func\_canonicalize\_file\_name = no; then

AC\_LIBOBJ(canonicalize-lgpl)

AC\_DEFINE([realpath], [rpl\_realpath],

[Define to a replacement function name for realpath().])

gl\_PREREQ\_CANONICALIZE\_LGPL

fi

])

# Like gl\_CANONICALIZE\_LGPL, except prepare for separate compilation

# (no AC\_LIBOBJ).

AC\_DEFUN([gl\_CANONICALIZE\_LGPL\_SEPARATE],

[

AC\_CHECK\_DECLS\_ONCE(canonicalize\_file\_name)

AC\_CHECK\_FUNCS\_ONCE(canonicalize\_file\_name)

gl\_PREREQ\_CANONICALIZE\_LGPL

])

```
#
Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
[
AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
AC_CHECK_FUNCS_ONCE(getcwd readlink)
])
```

# 1.164 iputils 20161105-1ubuntu3

## 1.164.1 Available under license :

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Sat, 5 Aug 2000 19:51:36 +1000.

It has been maintained for Debian by Noah Meyerhans <noahm@debian.org>  
since 6 Feb 2001.

It was downloaded from <https://github.com/iputils/iputils>

Upstream Author: Alexey Kuznetsov <kuznet@ms2.inr.ac.ru>

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Version 3, 29 June 2007

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# 1.166 golang-protobuf-extensions 1.0.1

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## 1.170 byobu 5.125-0ubuntu1

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Upstream-Source: <https://code.launchpad.net/~ubuntu-core-dev/language-selector/ubuntu>

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

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# 1.188 httpcomponents-client 4.3.2

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

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## 1.198 libxmu 1.1.2-2

### 1.198.1 Available under license :

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

```
--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
++srcdir=`dirname $0`
++test -z "$srcdir" && srcdir=.
+
++ORIGDIR=`pwd`
++cd $srcdir
+
++autoreconf -v --install || exit 1
```

```

+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+  $srcdir/configure "$@"
+fi
--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+
+ [ Andreas Boll ]
+ * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+   when building in parallel (closes: #801059). Thanks, Matthias Klose!
+
+ [ Julien Cristau ]
+ * Remove Cyril from Uploaders.
+ * Bump Standards-Version to 3.9.6, update Vcs-* control fields.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 14 Nov 2015 10:04:44 +0100
+
+libxmu (2:1.1.2-1) unstable; urgency=low
+
+ * New upstream release.
+ * Add ${misc:Depends} to libxmu-headers.
+
+   * Use /usr/share/quilt/quilt.make instead of xsfbs for patching.
+ * Add build-{arch,indep} debian/rules targets.
+ * Bump debhelper compat level from 5 to 7.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 05 May 2014 14:13:01 +0200
+
+libxmu (2:1.1.1-1) unstable; urgency=low
+
+ * New upstream release.
+ * Don't require (fake)root for debian/rules clean.
+ * Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per
+   configure.ac.
+ * Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call
+   from debian/rules.
+ * Remove David Nusinow from Uploaders.
+ * Bump debhelper build-dep for ${misc:Pre-Depends} usage.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 21 Apr 2012 10:50:11 +0200
+
+libxmu (2:1.1.0-3) unstable; urgency=low
+
+ * Build for multiarch.
+

```

+ -- Steve Langasek <vorlon@debian.org> Fri, 21 Oct 2011 14:47:59 -0700

+  
+libxmu (2:1.1.0-2) unstable; urgency=low

+  
+ [ Christopher James Halse Rogers ]

+ \* debian/patches/01\_dont\_export\_private\_deps.patch:

+  
+ - The Xmu.h header uses libXt symbols in a #define, so libXt is not a  
+ private dep. With binutils-gold, the indirect dependency on Xt is not  
+ considered when linking with Xmu so this causes build failures.

+  
+ [ Julien Cristau ]

+ \* Drop Pre-Depends on x11-common, only needed for upgrades from the  
+ monolith.

+  
+ -- Julien Cristau <jcristau@debian.org> Thu, 28 Apr 2011 14:10:11 +0200

+  
+libxmu (2:1.1.0-1) unstable; urgency=low

+  
+ \* New upstream release.

+ \* Bump xutils-dev build-dep for new macros.

+ \* Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.

+ \* Pass --with-xmlto and --without-fop (we want html and txt only).

+ \* Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to  
+ libxmu-headers.install file.

+ \* Remove the hardcoded path to the X logo in the Xmu.html file.

+ \* Kill \*.xml in the doc directory, no point in shipping them.

+ \* Switch from --list-missing to --fail-missing for additional safety.

+  
+  
+ -- Cyril Brulebois <kibi@debian.org> Fri, 19 Nov 2010 08:42:29 +0100

+  
+libxmu (2:1.0.5-2) unstable; urgency=high

+  
+ [ Julien Cristau ]

+ \* Rename the build directory to not include DEB\_BUILD\_GNU\_TYPE for no  
+ good reason. Thanks, Colin Watson!

+ \* Remove myself from Uploaders

+ \* Don't pass both -s and -Nfoo/-pfoo to dh\_strip. This resulted in an empty  
+ libxmu1-dbg (Closes: #594500). Thanks to Luca Falavigna for the report.

+  
+ [ Cyril Brulebois ]

+ \* Add myself to Uploaders.

+ \* Bump urgency to high for the RC bugfix. Thanks to Jakub Wilk as well  
+ for the report.

+  
+ -- Cyril Brulebois <kibi@debian.org> Sat, 04 Sep 2010 14:32:30 +0200

+  
+



```

+libxmu (2:1.0.5-1) unstable; urgency=low
+
+ [ Timo Aaltonen ]
+ * New upstream release.
+ + Fix 64bit support (closes: #521887)
+
+ [ Julien Cristau ]
+ * Bump Standards-Version to 3.8.3.
+
+ -- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 19:20:17 +0100
+
+libxmu (2:1.0.4-2) unstable; urgency=low
+
+
+ [ Julien Cristau ]
+ * Drop -1 debian revisions from build-deps.
+ * libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a
+ dependency on x11-common.
+ * Build libxmu-headers in binary-indep instead of binary-arch
+ (closes: #486418). Thanks, Martin Koeppel!
+ * Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
+ * Handle parallel builds.
+
+ [ Brice Goglin ]
+ * Add a link to www.X.org and a reference to the upstream module
+ in the long description.
+ * Add upstream URL to debian/copyright.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538587.
+ * Move -dbg packages to section debug.
+
+ -- Julien Cristau <jcristau@debian.org> Fri, 07 Aug 2009 14:30:36 +0200
+
+libxmu (2:1.0.4-1) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu-headers (= ${source:Version}). Thanks,
+ Josh Triplett.
+ * Don't export private
dependencies in xmu.pc and xmuu.pc. These
dependencies are handled by Requires.private.
+ * Due to the above, build-depend on quilt and apply the xsfbs patch rules.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Uploaders, and remove Branden and Fabio with their
+ permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/

```

```

+
+ [ Timo Aaltonen ]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 17 Jan 2008 14:57:47 +0100
+
+libxmu (1:1.0.3-1) unstable; urgency=low
+
+ * New upstream release.
+ * Install the upstream changelog.
+ * Remove outdated CVS information from the package descriptions, and add
+   XS-Vcs-Git and XS-Vcs-Browser.
+ * Fix package sections (libraries in libs, development stuff in libdevel).
+ * Use ${binary:Version} instead of ${Source-Version}.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 12 Apr 2007 13:40:07 +0200
+
+libxmu
+(1:1.0.2-2) unstable; urgency=low
+
+ [ Andres Salomon ]
+ * Test for obj-$(DEB_BUILD_GNU_TYPE) before creating it during build;
+   idempotency fix.
+
+ [ Drew Parsons ]
+ * dbg package has priority extra.
+
+ -- David Nusinow <dnusinow@debian.org> Wed, 30 Aug 2006 16:53:25 -0400
+
+libxmu (1:1.0.2-1) experimental; urgency=low
+
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Run dh_install with --list-missing
+ * Version the -headers package's x11-common pre-dep to use version 1:7.0.0
+   to match the rest of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+
+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 18:43:32 -0400
+
+libxmu (1:1.0.1-3) unstable; urgency=low
+
+ * Reorder makeshlib command in rules file so that ldconfig is run
+   properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:59 -0400
+
+libxmu (1:1.0.1-2) unstable; urgency=low

```

```

+
+ * Upload to unstable
+
+
-- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:59 -0500
+
+libxmu (1:1.0.1-1) experimental; urgency=low
+
+ * First upload to Debian
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:53:53 -0500
+
+libxmu (1:6.2.3-5) breezy; urgency=low
+
+ * Also, libxmu-dev needs to depend on libxt-dev too.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Mon, 25 Jul 2005 09:43:47 +0000
+
+libxmu (1:6.2.3-4) breezy; urgency=low
+
+ * Bump libxt-dev build-dep once more, _XOPEN_SOURCE begone!
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 10:48:14 +0000
+
+libxmu (1:6.2.3-3) breezy; urgency=low
+
+ * Make libxmu-dev depend on libxext-dev, since libxmu links to it.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 07:56:02 +0000
+
+libxmu (1:6.2.3-2) breezy; urgency=low
+
+ * Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid
+ _XOPEN_SOURCE.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Sat, 23 Jul 2005 00:20:50 +1000
+
+libxmu
+(1:6.2.3-1) breezy; urgency=low
+
+ * First libxmu release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000
--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
--- libxmu-1.1.2.orig/debian/control

```

```

+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ debhelper (>= 9),
+ dh-autoreconf,
+ libx11-dev (>= 1:0.99.2),
+ libxt-dev (>= 1:0.99.1),
+ libxext-dev (>= 1:0.99.1),
+ pkg-config,
+ quilt,
+ automake,
+ libtool,
+ xutils-dev (>= 1:7.6+2),
+# devel-docs:
+ xmlto (>= 0.0.22),
+ xorg-sgml-doctools (>= 1:1.8),
+ w3m,
+Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
+
+Package: libxmu6
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends},
+ ${misc:Depends}
+Description: X11 miscellaneous utility library
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu6-dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra

```

+Depends: \${shlibs:Depends}, \${misc:Depends}, libxmu6 (= \${binary:Version})

+Description: X11 miscellaneous utility library (debug package)

+ libXmu provides a set of miscellaneous utility convenience functions for X libraries to use. libXmuu is a lighter-weight version that does not depend on libXt or libXext; for more information, see libxmuu1.

+ .

+ This package contains the debug versions of the library found in libxmu6.

+ Non-developers likely have little use for this package.

+ .

+ More information about X.Org can be found at:

+ <URL:http://www.X.org>

+ .

+ This module can be found at

+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

+ .

+Package: libxmu-dev

+Section: libdevel

+Architecture: any

+Multi-Arch: same

+Depends: \${shlibs:Depends}, \${misc:Depends}, libxext-dev, libxt-dev, libxmu6 (= \${binary:Version}), libxmu-headers (= \${source:Version})

+Description: X11 miscellaneous utility library (development headers)

+ libXmu provides a set of miscellaneous utility convenience functions for X libraries to use. libXmuu is a lighter-weight version that does not depend on libXt or libXext; for more information, see libxmuu1.

+ .

+ This package contains the development headers for the library found in libxmu6. Non-developers likely have little use for this package.

+ .

+ More information about X.Org can be found at:

+ <URL:http://www.X.org>

+ .

+ This module can be found at

+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

+ .

+Package: libxmuu1

+Section: libs

+Architecture: any

+Multi-Arch: same

+Pre-Depends: \${misc:Pre-Depends}

+Depends: \${shlibs:Depends}, \${misc:Depends}

+Description: X11 miscellaneous micro-utility library

+ libXmuu provides a set of miscellaneous utility convenience functions for X libraries to use. It is a lighter version of libXmu that does not depend on libXt or libXext; for more information on libXmu, see libxmu6.

+ .

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

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

+++ libxmu-1.1.2/debian/libxmu-dev.install

@@ -0,0 +1,3 @@

+usr/lib/\*/libXmu.a

+usr/lib/\*/libXmu.so

+usr/lib/\*/pkgconfig/xmu.pc

--- libxmu-1.1.2.orig/debian/libxmu-headers.install

+++ libxmu-1.1.2/debian/libxmu-headers.install

@@ -0,0 +1,2 @@

+usr/include/X11/\*

+usr/share/doc/libxmu-headers

--- libxmu-1.1.2.orig/debian/libxmu6.install

+++

libxmu-1.1.2/debian/libxmu6.install

@@ -0,0 +1 @@

+usr/lib/\*/libXmu.so.6\*

--- libxmu-1.1.2.orig/debian/libxmu-dev.install

+++ libxmu-1.1.2/debian/libxmu-dev.install

@@ -0,0 +1,3 @@

+usr/lib/\*/libXmu.a

+usr/lib/\*/libXmu.so

+usr/lib/\*/pkgconfig/xmu.pc

--- libxmu-1.1.2.orig/debian/libxmu1.install

+++ libxmu-1.1.2/debian/libxmu1.install

@@ -0,0 +1 @@

+usr/lib/\*/libXmu.so.1\*

--- libxmu-1.1.2.orig/debian/patches/01\_dont\_export\_private\_deps.diff

+++ libxmu-1.1.2/debian/patches/01\_dont\_export\_private\_deps.diff

@@ -0,0 +1,26 @@

+diff --git a/xmu.pc.in b/xmu.pc.in

+index a086f83..15dabbf 100644

+--- a/xmu.pc.in

++++ b/xmu.pc.in

@@@ -6,7 +6,7 @@@ includedir=@includedir@

+ Name: Xmu

+ Description: Xmu Library

+ Version: @PACKAGE\_VERSION@

+Requires: xproto x11 xt

++Requires: xproto xt

+ Requires.private: x11 xt xext

```

+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
+@@
+-6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmuu
+ Description: Mini Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11
++Requires: xproto
+ Requires.private: x11
+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmuu
+--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
+@@ -0,0 +1 @@
+01_dont_export_private_deps.diff
+--- libxmu-1.1.2.orig/debian/rules
+++ libxmu-1.1.2/debian/rules
+@@ -0,0 +1,34 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian libxmu package.
+# Copyright 2004 Scott James Remnant <scott@netsplit.com>
+# Copyright 2005 Daniel Stone <daniel@fooishbar.org>
+# Copyright 2005 David Nusinow <dnusinow@debian.org>
+
+# Uncomment this to turn on verbose mode.
+#export DH_VERBOSE=1
+
+.PHONY: build
+build:
+ dh build --with quilt,autoreconf --builddirectory=build/ --parallel
+
+%.
+ dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
+
+override_dh_auto_configure:
+ dh_auto_configure -- \
+ --disable-silent-rules
+ \
+ --docdir=${prefix}/share/doc/libxmu-headers \
+ --with-xmlto \
+ --without-fop
+
+override_dh_auto_install:

```

```

+ dh_auto_install
+ find debian/tmp/usr/share/doc/libxmu-headers -name '*.xml' -delete
+
+override_dh_install-arch:
+ dh_install --fail-missing -Xusr/include -X.la
+
+override_dh_strip:
+ dh_strip -Nlibxmu6 -Nlibxmuu1
+ dh_strip -plibxmu6 --dbg-package=libxmu6-dbg
+ dh_strip -plibxmuu1 --dbg-package=libxmuu1-dbg
--- libxmu-1.1.2.orig/debian/watch
+++ libxmu-1.1.2/debian/watch
@@ -0,0 +1,3 @@
+#git=git://anongit.freedesktop.org/xorg/lib/libXmu
+version=3
+http://xorg.freedesktop.org/releases/individual/lib/ libXmu-(.*)\tar\gz

```

Found in path(s):

```
* /libxmu-1-1-2-2-diff-gz/libxmu_1.1.2-2.diff
```

# 1.199 giflib 5.2.1

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# 1.200 logging-interceptor 3.12.6

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@copynext

@heading Marko Kreen

Fortuna in libhcrypto

@verbatim

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@heading NTT (Nippon Telegraph and Telephone Corporation)

Camellia in libhcrypto

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vis.c in libroken

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@end  
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@copynext

@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

@verbatim

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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@copynext

@heading Apple, Inc

kdc/announce.c

@verbatim

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@copynext

@heading Richard Outerbridge

DES core in libcrypto

@verbatim

D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge.

Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Secure Endpoints Inc

Windows support

@verbatim

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@heading Novell, Inc

lib/hcrypto/test\_dh.c

@verbatim

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## 1.204 texinfo 6.5.0.dfsg.1-2

### 1.204.1 Available under license :

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<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
```

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<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
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<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Copying and indices (Top)</title>
```

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<meta name="description" content="Copying and indices (Top)">
<meta name="keywords" content="Copying and indices (Top)">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
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<link href="#SEC_Contents" rel="contents" title="Table of Contents">
<link href="index.html#Top" rel="up" title="Top">
<link href="index.html#Top" rel="prev" title="Top">
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blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right:
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blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
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pre.format {font-family: inherit}
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pre.menu-preformatted {font-family: serif}
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pre.smallexample {font-size: smaller}
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pre.smalllisp {font-size: smaller}
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</head>

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<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>,
Up: <a href="index.html#Top" accesskey="u" rel="up">Top</a> &nbsp; [ <a href="#SEC_Contents" title="Table
of contents" rel="contents">Contents</a> ] </p>

```

```

</div>
<a name="Copying-and-indices-1"></a>
<h2 class="appendix">Appendix A Copying and indices</h2>

<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index.html#Public-domain-reference">Public domain reference</a> for reference on the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
<a href="index.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.
</p>

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&nbsp;<br>
<a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;<br>
<a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
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indices</a></td></tr>
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document</a>:</td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
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indices_cp_letter-C"><b>C</b></a>
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<a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;
<a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
&nbsp;
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<tr><td colspan="4"> <hr></td></tr>
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indices</a></td></tr>
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indices_fn_letter-A"><b>A</b></a>
&nbsp;
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;
</td></tr></table>

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<ul class="no-bullet">
<li><a name="toc-Chapter" href="index.html#Chapter">1 Chapter</a></li>
<li><a name="toc-Copying-and-indices-1" href="#Copying-and-indices">Appendix A Copying and
indices</a></li>
</ul>
</div>

```

```

<hr>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp; [ <a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a> ] </p>
</div>

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</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

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<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Appendix A Copying and indices (Top)</title>

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<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
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blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
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{margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
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pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
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</style>

</head>

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chapter"> &lt;&lt; </a>]</td>
<td valign="middle" align="left">[<a href="Chapter.html#Chapter"
title="Previous section in reading order"> &lt; </a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Up section"> Up </a>]</td>
<td valign="middle" align="left">[ &gt; </td>
<td valign="middle" align="left">[ &gt;&gt; </td>
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<td valign="middle" align="left">[<a href="index_special_region_toc.html#SEC_Contents" title="Table of
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<td valign="middle" align="left">[<a href="index.html#Top" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_abt.html#SEC_About" title="About (help)"> ?
</a>]</td>
</tr></table>
<a name="Copying-and-indices-1"></a>
<h1 class="appendix">Appendix A Copying and indices</h1>

<p>In
the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index_special_region_fot.html#Public-domain-reference">Public domain reference</a> for reference on

```

the licence.

</p>

<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.

<a href="index\_special\_region\_fot.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.

</p>

<a name="index-copying-Copying-this-document"></a>

<a name="Copying-information"></a>

<p>This is a test manual, trivially and explicitly in the public

domain<a name="DOCF1\_4" href="index\_special\_region\_fot.html#FOOT1\_4"><sup>4</sup></a>.

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<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-1\_cp\_letter-C"><b>C</b></a>

&nbsp;</td></tr></table>

<a class="summary-letter" href="#Copying-and-indices-1\_cp\_letter-P"><b>P</b></a>

&nbsp;</td></tr></table>

<a class="summary-letter" href="#Copying-and-indices-1\_cp\_letter-T"><b>T</b></a>

&nbsp;</td></tr></table>

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This is a test manual, trivially and explicitly in the public domain.

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<a name="index-Copying-appendix"></a>

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<a href="index_special_region_no_insertcopying_fot.html#Public-domain-reference">Public domain reference</a>
for reference on the licence.
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<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
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<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-
1_fn_letter-A"><b>A</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
&nbsp;</td>
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chapter"> &lt;&lt; </a>]</td>
<td valign="middle" align="left">[ &gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[<a
href="index_special_region_no_insertcopying_toc.html#SEC_Contents" title="Table of
contents">Contents</a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_insertcopying_abt.html#SEC_About"
title="About (help)"> ? </a>]</td>
</tr></table>
<p><font size="-1">
This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>

</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

```

```

<html>
<!--
Copyright notice, public domain

Public domain is not really a licence, as it means than
the author abandon his copyright.
-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Appendix A Copying and floats (Top)</title>

<meta name="description" content="Appendix A Copying and floats (Top)">
<meta name="keywords" content="Appendix A Copying and floats (Top)">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
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<style type="text/css">
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a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left:
3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
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</style>

</head>

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<body lang="en">
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chapter"> &lt;&lt;&lt; </a>]</td>
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align="left">[<a href="index.html#Top" title="Previous section in reading order"> &lt; </a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Up section"> Up </a>]</td>
<td valign="middle" align="left">[ &gt; </td>
<td valign="middle" align="left">[ &gt;&gt; </td>
<td valign="middle" align="left"> &nbsp; </td>
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<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
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<td valign="middle" align="left">[Contents]</td>
<td valign="middle" align="left">[<a href="#Copying-and-floats" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="float_copying_abt.html#SEC_About" title="About (help)"> ?
</a>]</td>
</tr></table>
<a name="Copying-and-floats-1"></a>
<h1 class="appendix">Appendix A Copying and floats</h1>

```

```

<p>In the appendix, we print the references and the
copying once more
and the list of coyright notices (listoffloats).

```

```

</p>
<p>See the caption <a href="index.html#public-domain-anchor">public domain anchor</a>.
</p>
<p>See the float <a href="index.html#public-domain">Copyright notice 1</a>.
</p>
<a name="index-listoffloats"></a>

```

```

<div class="float"><a name="public-domain"></a>

```

```

<p>Public domain is not really a licence, as it means than
the author abandon his copyright.
</p>

```

```

<div class="float-caption"><p><strong>Copyright notice 1: </strong>The Public Domain notice<a
name="DOCF1_2" href="float_copying_fot.html#FOOT1_2"><sup>2</sup></a>
</p>
<a name="public-domain-anchor"></a><a name="index-copying-indexed-caption"></a>
<a name="index-copying-indexed-caption-function"></a>
</div></div>

```

```

<div class="float"><a name="public-domain"></a>

```



<p>Public domain is not really a licence, as it means than  
the author abandon his copyright.

</p>

<div class="float-caption"><p><strong>Copyright notice 1: </strong>The Public Domain notice<a  
name="DOCF1\_3"

href="float\_copying\_fot.html#FOOT1\_3"><sup>3</sup></a>

</p>

<a name="public-domain-anchor"></a><a name="index-copying-indexed-caption"></a>

<a name="index-copying-indexed-caption-function"></a>

</div></div>

<a name="listoffloats"></a>

<h3 class="subheading">listoffloats</h3>

<dl class="listoffloats">

<dt><a href="index.html#public-domain">Copyright notice 1</a></dt><dd><p>The Public Domain notice<a  
name="t\_hlistoffloats\_DOCF1\_4" href="float\_copying\_fot.html#t\_hlistoffloats\_FOOT1\_4"><sup>4</sup></a>

</p>

</dd>

</dl>

<a name="printindex"></a>

<h3 class="subheading">printindex</h3>

<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-  
1\_cp\_letter-I"><b>I</b></a>

&nbsp;</td></tr>

<a class="summary-letter" href="#Copying-and-floats-1\_cp\_letter-L"><b>L</b></a>

&nbsp;</td></tr>

<a class="summary-letter" href="#Copying-and-floats-1\_cp\_letter-T"><b>T</b></a>

&nbsp;</td></tr></table>

</td></tr></table>

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Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>

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caption</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

<tr><td></td><td valign="top"><a href="float\_copying\_fot.html#index-copying-indexed-caption-copying-  
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<tr><td colspan="4"> <hr></td></tr>

<tr><th><a name="Copying-and-floats-1\_cp\_letter-L">L</a></th><td></td><td></td></tr>

<tr><td></td><td valign="top"><a href="#index-listoffloats">listoffloats</a></td><td>&nbsp;</td><td  
valign="top"><a href="#Copying-and-floats">Appendix A Copying and floats</a></td></tr>

<tr><td colspan="4"> <hr></td></tr>

<tr><th><a name="Copying-and-floats-1\_cp\_letter-T">T</a></th><td></td><td></td></tr>

<tr><td></td><td></td>

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<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_cp_letter-I"><b>I</b></a>
&nbsp;<td><a class="summary-letter" href="#Copying-and-floats-1_cp_letter-L"><b>L</b></a>
&nbsp;<td><a class="summary-letter" href="#Copying-and-floats-1_cp_letter-T"><b>T</b></a>
&nbsp;</td></tr></table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_fn_letter-I"><b>I</b></a>
&nbsp;<td><a class="summary-letter" href="#Copying-and-floats-1_fn_letter-P"><b>P</b></a>
&nbsp;</td></tr></table>
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<tr><td></td><td>
valign="top"><a href="index.html#index-copying-indexed-caption-function"><code>indexed caption
function</code></a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
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function"><code>public domain function</code></a></td><td>&nbsp;</td><td valign="top"><a
href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_fn_letter-I"><b>I</b></a>
&nbsp;<td><a class="summary-letter" href="#Copying-and-floats-1_fn_letter-P"><b>P</b></a>
&nbsp;</td></tr></table>

<hr>
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<tr><td valign="middle" align="left"><a
href="index.html#Top" title="Beginning of this chapter or previous chapter"> &lt;&lt; </a></td>
<td valign="middle" align="left">[ &gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
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<td valign="middle" align="left"> &nbsp;</td>

```

```

<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[Contents]</td>
<td valign="middle" align="left">[<a href="#Copying-and-floats" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="float_copying_abt.html#SEC_About" title="About (help)"> ?
</a>]</td>
</tr></table>
<p><font size="-1">
  This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>

```

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</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

```

This is a test manual, trivially and explicitly in the public domain.

```

-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Appendix A Copying and indices (Top)</title>

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<meta name="keywords" content="Appendix A Copying and indices (Top)">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<style type="text/css">
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a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay
{margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}

```

```
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>
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```
</head>
```

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chapter"> &lt;&lt; </a>]</td>
<td valign="middle" align="left">[<a href="Chapter.html#Chapter"
title="Previous section in reading order"> &lt; </a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Up section"> Up </a>]</td>
<td valign="middle" align="left">[ &gt; ]</td>
<td valign="middle" align="left">[ &gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;</td>
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<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_toc.html#SEC_Contents" title="Table
of contents">Contents</a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_abt.html#SEC_About" title="About
(help)"> ? </a>]</td>
</tr></table>
<a name="Copying-and-indices-1"></a>
<h1 class="appendix">Appendix A Copying
and indices</h1>

<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>
```

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.  
 <a href="index\_special\_region\_no\_region\_fot.html#Public-domain-reference">Public domain reference</a> for  
 reference on the licence.  
 </p>  
 <p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.  
 <a href="index\_special\_region\_no\_region\_fot.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for  
 reference on the titlepage.  
 </p>

| Jump to: &nbsp; | <a class="summary-letter" href="#Copying-and-indices-1_cp_letter-C">&lt;b&gt;C&lt;/b&gt;&lt;/a&gt;<br/>       &amp;nbsp;  <br/> <a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P">&lt;b&gt;P&lt;/b&gt;&lt;/a&gt;<br/>       &amp;nbsp;  <br/> <a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T">&lt;b&gt;T&lt;/b&gt;&lt;/a&gt;<br/>       &amp;nbsp;       </a></a></a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Index Entry                                                                                                     | Section                                                               |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| <hr/>                                                                                                           |                                                                       |
| <a href="#Copying-and-indices-1_cp_letter-C">C</a>                                                              |                                                                       |
| <a href="#index-Copying-appendix">Copying<br/>appendix</a>                                                      | <a href="#Copying-and-indices">Appendix A Copying and<br/>indices</a> |
| <a href="index.html#index-copying-Copying-this-document">Copying this<br/>document</a>                          | <a href="index.html#Top">Top</a>                                      |
| <hr/>                                                                                                           |                                                                       |
| <a href="#Copying-and-indices-1_cp_letter-P">P</a>                                                              |                                                                       |
| <a href="index_special_region_no_region_fot.html#index-copying-Public-domain">Public domain</a>                 | <a href="index.html#Top">Top</a>                                      |
| <hr/>                                                                                                           |                                                                       |
| <a href="#Copying-and-indices-1_cp_letter-T">T</a>                                                              |                                                                       |
| <a href="index_special_region_no_region_fot.html#index-titlepage-Titlepage-footnote">Titlepage<br/>footnote</a> | <a href="index.html#Top">Top</a>                                      |
| <a href="index.html#index-titlepage-Titlepage-index">Titlepage<br/>index</a>                                    | <a href="index.html#Top">Top</a>                                      |
| <hr/>                                                                                                           |                                                                       |

| Jump to: &nbsp; | <a class="summary-letter" href="#Copying-and-indices-1_cp_letter-C">&lt;b&gt;C&lt;/b&gt;&lt;/a&gt;<br/>       &amp;nbsp;  <br/> <a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P">&lt;b&gt;P&lt;/b&gt;&lt;/a&gt;<br/>       &amp;nbsp;  <br/> <a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T">&lt;b&gt;T&lt;/b&gt;&lt;/a&gt;     </a></a></a> |
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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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&nbsp;
</td></tr></table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-1_fn_letter-A"><b>A</b></a>
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<a class="summary-letter"
href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
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<tr><th><a name="Copying-and-indices-1_fn_letter-A">A</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-another-fun"><code>another
fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Appendix A Copying
and indices</a></td></tr>
<tr><td colspan="4"><hr></td></tr>
<tr><th><a name="Copying-and-indices-1_fn_letter-F">F</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="Chapter.html#index-findex-entry"><code>findex
entry</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1
Chapter</a></td></tr>
<tr><td></td><td valign="top"><a href="Chapter.html#index-
fun"><code>fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1
Chapter</a></td></tr>
<tr><td colspan="4"><hr></td></tr>
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<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-1_fn_letter-A"><b>A</b></a>
&nbsp;
<a class="summary-letter" href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
&nbsp;
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<tr><td valign="middle" align="left">[<a href="Chapter.html#Chapter" title="Beginning of this chapter or previous
chapter"> &lt;&lt; </a>]</td>
<td valign="middle" align="left">[ &gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;</td>
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<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_toc.html#SEC_Contents"
title="Table of contents">Contents</a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_abt.html#SEC_About" title="About

```

```
(help)"> ? </a>]</td>
</tr></table>
<p><font size="-1">
  This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>
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</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
```

This is a test manual, trivially and explicitly in the public domain.

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-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<!-- This file redirects to the location of a node or anchor -->
<head>
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<meta name="keywords" content="Copying information (Top)">
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<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<style type="text/css">
<!--
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a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
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div.display {margin-left: 3.2em}
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div.lisp
  {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
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```

pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

<meta http-equiv="Refresh" content="0; url=Chapter.html#Copying-information">

</head>

<body lang="en">

<p>The node you are looking for is at <a href="Chapter.html#Copying-information">Copying
information</a>.</p>
</body>

```

## GNU LESSER GENERAL PUBLIC LICENSE

### Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts  
 as the successor of the GNU Library Public License, version 2, hence  
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 decide to use it. You  
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a)

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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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

That's all there is to it!

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
```

This is a test manual, trivially and explicitly in the public domain.

```
-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<!-- This file redirects to the location of a node or anchor -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Copying information (Top)</title>

<meta name="description" content="Copying information (Top)">
<meta name="keywords" content="Copying information (Top)">
```

```

<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<style type="text/css">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp
  {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

<meta http-equiv="Refresh" content="0; url=index.html#Copying-information">

</head>

<body lang="en">

<p>The node you are looking for is at <a href="index.html#Copying-information">Copying information</a>.</p>
</body>
use vars qw(%result_taxis %result_texts %result_trees %result_errors
  %result_indices %result_sectioning %result_nodes %result_menus
  %result_floats %result_converted %result_converted_errors
  %result_elements %result_directions_text);

use utf8;

$result_trees{'copying_not_closed'} = {

```

```

'contents' => [
  {
    'cmdname' => 'copying',
    'contents' => [
      {
        'extra' => {
          'command' => {}
        },
        'parent' => {},
        'text' => '
    ',
    'type' => 'empty_line_after_command'
  },
  {
    'parent' => {},
    'text' => '
    ',
    'type' => 'empty_line'
  },
  {
    'contents' => [
      {
        'parent' => {},
        'text' => 'This is a copyright notice
    ',
    'type' => 'paragraph'
  },
  {
    'parent' => {},
    'type' => 'paragraph'
  },
  {
    'extra' => {
      'spaces_after_command' => {}
    },
    'line_nr' => {
      'file_name'
    }
  },
  {
    'parent' => {}
  }
],
'type' => 'text_root'
};
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][0]['extra']['command'] =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]['contents'][0]['parent'] =

```

```

$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[1]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2]{'contents'}[0]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'extra'}{'spaces_after_command'} =
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'parent'}
= $result_trees{'copying_not_closed'};

```

```

$result_taxis{'copying_not_closed'} = '@copying

```

This is a copyright notice

```

';

```

```

$result_texts{'copying_not_closed'} = "";

```

```

$result_errors{'copying_not_closed'} = [
{
  'error_line' => ':3: no matching `@end copying\'
,
  'file_name' => "",
  'line_nr' => 3,
  'macro' => "",
  'text' => 'no matching `@end copying\'",
  'type' => 'error'
}
];

```

```

1;
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

```

This is a test manual, trivially and explicitly in the public domain.

```

-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Copying and indices (Top)</title>

```

```

<meta name="description" content="Copying and indices (Top)">
<meta name="keywords" content="Copying and indices (Top)">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<link href="index.html#Top" rel="start" title="Top">
<link href="index.html#Top" rel="index" title="Top">
<link href="#SEC_Contents" rel="contents" title="Table of Contents">
<link href="index.html#Top" rel="up" title="Top">
<link href="index.html#Top" rel="prev" title="Top">
<style type="text/css">
<!--

```

```

a.summary-letter {text-decoration: none}
blockquote.indentedblock
  {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

```

```

</head>

```

```

<body lang="en">
<a name="Copying-and-indices"></a>
<div class="header">
<p>
Previous:

```

[Top](index.html#Top), Up: [Top](index.html#Top) &nbsp; [[Contents](#SEC_Contents "Table of contents")][[Index](index.html#Top "Index")]

## Appendix A Copying and indices

In the appendix, we print the indices and references.

[Copying information](index.html#Copying-information) for the copying information.

[Public domain reference](index.html#Public-domain-reference) for reference on the licence.

[Titlepage anchor](index.html#Titlepage-anchor) for the titlepage.

[Titlepage footnote anchor](index.html#Titlepage-footnote-anchor) for reference on the titlepage.

This

is a test manual, trivially and explicitly in the public

domain[<sup>2</sup>](#FOOT1_2).

| Jump to: &nbsp; | <a class="summary-letter" href="#Copying-and-indices_cp_letter-C"><b>C</b></a> |
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[\*\*P\*\*](#Copying-and-indices_cp_letter-P)

&nbsp;

[\*\*T\*\*](#Copying-and-indices_cp_letter-T)

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| Index Entry | &nbsp; | Section |
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| <a name="Copying-and-indices_cp_letter-C">C</a> |  |  |  |
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|--|-----------------------------------------------|--|--|
|  | <a href="#index-Copying-appendix">Copying</a> |  |  |
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|  |        |                                                |  |
|--|--------|------------------------------------------------|--|
|  | &nbsp; | <a href="#Copying-and-indices">Copying and</a> |  |
|  |        |                                                |  |

|  |                                                                                    |        |                                  |
|--|------------------------------------------------------------------------------------|--------|----------------------------------|
|  | <a href="index.html#index-copying-Copying-this-document">Copying this document</a> | &nbsp; | <a href="index.html#Top">Top</a> |
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| <a name="Copying-and-indices_cp_letter-P">P</a> |  |  |  |
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|  | <a href="index.html#index-copying-Public-domain">Public</a> |  |  |
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|  | &nbsp; | <a href="index.html#Top">Top</a> |  |
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<tr><td colspan="4"> <hr></td></tr>
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<tr><th><a name="Copying-and-indices_fn_letter-A">A</a></th><td></td><td></td></tr>
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valign="top"><a href="#Copying-and-indices">Copying and indices</a></td></tr>
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<a name="SEC_Contents"></a>
<h2 class="contents-heading">Table of Contents</h2>

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<ul class="no-bullet">
<li><a
name="toc-Chapter" href="index.html#Chapter">1 Chapter</a></li>
<li><a name="toc-Copying-and-indices-1" href="#Copying-and-indices">Appendix A Copying and
indices</a></li>
</ul>

```

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</div>

<div class="footnote">
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<h4 class="footnotes-heading">Footnotes</h4>

<h3><a name="FOOT1_2" href="#DOCF1_2">(2)</a></h3>
<a name="Public-domain-reference"></a><p>The public
domain is something you should already know
</p>
<a name="index-copying-Public-domain"></a>
</div>
<hr>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp; [ <a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a> ] [ <a href="index.html#Top" title="Index" rel="index">Index</a> ] </p>
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</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

```

Copyright notice, public domain

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the author abandon his copyright.

```

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<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<!-- This file redirects to the location of a node or anchor -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>caption copying footnote anchor (Top)</title>

<meta name="description" content="caption copying footnote anchor (Top)">
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<meta name="Generator" content="texi2any">
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div.example {margin-left: 3.2em}
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div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
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pre.format {font-family: inherit}
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pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
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span.sansserif {font-family: sans-serif; font-weight: normal}
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"http://www.w3.org/TR/html4/loose.dtd">
<html>
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This is a test manual, trivially and explicitly in the public
domain.

-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
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pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
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chapter"> &lt;&lt; </a>]</td>
<td valign="middle" align="left">[<a href="Chapter.html#Chapter"
title="Previous section in reading order"> &lt; </a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Up section"> Up </a>]</td>
<td valign="middle" align="left">[ &gt;]</td>
<td valign="middle" align="left">[ &gt;&gt;]</td>
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<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_toc.html#SEC_Contents" title="Table
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<td valign="middle" align="left">[Index]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_abt.html#SEC_About" title="About
(help)"> ? </a>]</td>
</tr></table>
<a name="Copying-and-indices-1"></a>
<h1 class="appendix">Appendix A Copying and indices</h1>

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<p>In the appendix, we
print the indices and references.
</p>

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<a name="index-another-fun"></a>

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<a name="index-Copying-appendix"></a>

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<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index_special_region_no_region_fot.html#Public-domain-reference">Public domain reference</a> for
reference on the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
<a href="index_special_region_no_region_fot.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for
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&nbsp; </td>

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<td valign="middle" align="left">[<a href="index\_special\_region\_no\_region\_toc.html#SEC\_Contents" title="Table of contents">Contents</a>]</td>

<td valign="middle" align="left">[Index]</td>

<td valign="middle" align="left">[<a href="index\_special\_region\_no\_region\_abt.html#SEC\_About (help)"> ? </a>]</td>

</tr></table>

<p><font size="-1">

This document was generated on <em>a sunny day</em> using <a href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.

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</body>

</html>

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Version 3, 29 June 2007

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(1)

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
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```

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<h1 class="appendix">Appendix A Copying and indices</h1>

<p>In

```



the appendix, we print the indices and references.

</p>

<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="Chapter.html#Copying-information">Copying information</a> for the copying information.

<a href="index\_special\_region\_fot.html#Public-domain-reference">Public domain reference</a> for reference on the licence.

</p>

<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.

<a href="index\_special\_region\_fot.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.

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<a name="index-copying-Copying-this-document"></a>

<a name="Copying-information"></a>

<p>This is a test manual, trivially and explicitly in the public

domain<a name="DOCF1\_2" href="index\_special\_region\_fot.html#FOOT1\_2"><sup>2</sup></a>.

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## 1.207 sed 4.4-2

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## References

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<http://www.aleksey.com/pipermail/xmlsec/2003/005488.html>

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Cordys R&D BV

<http://www.aleksey.com/pipermail/xmlsec/2003/005581.html>

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section 10

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liblognorm, a fast samples-based log normalization library  
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# 1.217 python-stdlib-extensions 3.6.9-1~18.04

## 1.217.1 Available under license :

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

```
/******
```

Copyright (C) 1994 Steen Lumholt.

All Rights Reserved

```
*****/
```

Found in path(s):

- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Modules/\_tkinter.c
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Modules/\_tkinter.c
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Modules/\_tkinter.c

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

executable.

Found in path(s):

- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/spawn.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/spawn.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/spawn.py

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Found in path(s):

- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/driver.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/driver.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/driver.py

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Found in path(s):

- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix\_buffer.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix\_dict.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix\_buffer.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix\_types.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix\_standarderror.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix\_dict.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix\_xrange.py
- \* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix\_xrange.py

```

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

```

```

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```

```

# A grammar to describe tree matching patterns.
# Not shown here:
# - 'TOKEN' stands for any token (leaf node)
# - 'any' stands for any node (leaf or interior)
# With 'any' we can still specify the sub-structure.

```

```

# The start symbol is 'Matcher'.

```

```

Matcher: Alternatives ENDMARKER

```

```

Alternatives: Alternative (' Alternative)*

```

```

Alternative: (Unit | NegatedUnit)+

```

```

Unit: [NAME '=' ( STRING [Repeater]
      | NAME [Details] [Repeater]
      | '(' Alternatives ')' [Repeater]
      | '[' Alternatives ']'
      )

```

```

NegatedUnit: 'not' (STRING | NAME [Details] | '(' Alternatives ')')

```

```

Repeater: '*' | '+' | '{' NUMBER [, NUMBER '}'

```

```

Details: '<' Alternatives '>'

```

Found in path(s):

```
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/PatternGrammar.txt
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/PatternGrammar.txt
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/PatternGrammar.txt
No license file was found, but licenses were detected in source scan.
```

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Found in path(s):

```
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/tokenize.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/tokenize.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/tokenize.py
No license file was found, but licenses were detected in source scan.
```

# version.

Found in path(s):

```
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/cygwinccompiler.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist_wininst.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/cygwinccompiler.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist_msi.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist_msi.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_msi.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/cygwinccompiler.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_wininst.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist_wininst.py
No license file was found, but licenses were detected in source scan.
```

```
file.write('License: %s\n' % self.get_license())
```

Found in path(s):

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

('binary-only', None,

"cannot supply both '--source-only' and '--binary-only'")

'License: ' + self.distribution.get\_license(),

Found in path(s):

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist\_rpm.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist\_rpm.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist\_rpm.py

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Found in path(s):

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/conv.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/literals.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/parse.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/\_\_init\_\_.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/pgen.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/\_\_init\_\_.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/grammar.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/parse.py

\*

/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/pgen.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/literals.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/conv.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/parse.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/conv.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/literals.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/grammar.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/pgen.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/\_\_init\_\_.py

\*

/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/grammar.py

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

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Found in path(s):

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pygram.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix\_repr.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix\_repr.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix\_execfile.py

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix\_long.py

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

\* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix\_exec.py



```

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

```

# 1.218 libuv 1.18.0-3

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```
#ifndef UV_BSD_H
#define UV_BSD_H
```

```
#define UV_PLATFORM_FS_EVENT_FIELDS \
uv__io_t event_watcher; \
```

```
#define UV_IO_PRIVATE_PLATFORM_FIELDS \
int rcount; \
int wcount; \
```

```
#define UV_HAVE_KQUEUE 1
```

```
#endif /* UV_BSD_H */
```

Files: \*

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# 1.219 libsigsegv 2.12-1

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/\* List of signals. BSD version.

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/\* List of signals that are sent when an invalid virtual memory address is accessed, or when the stack overflows. \*/

```
#define SIGSEGV_FOR_ALL_SIGNALS(var,body) \
{ int var; var = SIGSEGV; { body } var = \
SIGBUS; { body } }
```

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Version 2, June 1991

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```
#define SIGSEGV_FAULT_HANDLER_ARGLIST int sig, int code, void *scp, void *addr
#define SIGSEGV_FAULT_ADDRESS addr
```

## 1.220 libdumbnet 1.12-7build1

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```
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```

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```
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## 1.225 pcre 8.39-9

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-----

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#### THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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Cambridge, England.

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# 1.226 libusb 1.0.21-2

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include/bsd/sys/time.h  
include/bsd/timeconv.h  
include/bsd/vis.h  
man/bitstring.3bsd  
man/errc.3bsd  
man/explicit\_bzero.3bsd  
man/fgetln.3bsd  
man/fgetwln.3bsd  
man/fpurge.3bsd  
man/funopen.3bsd



man/getbsize.3bsd  
man/heapsort.3bsd  
man/nlist.3bsd  
man/queue.3bsd  
man/radixsort.3bsd  
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man/setmode.3bsd  
man/strmode.3bsd  
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man/unvis.3bsd  
man/vis.3bsd  
man/wcsncpy.3bsd  
src/getbsize.c  
src/heapsort.c  
src/merge.c  
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man/fmtcheck.3bsd

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man/getpeereid.3bsd  
man/pidfile.3bsd  
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src/arc4random\_uniform.c  
src/arc4random\_unix.h  
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src/getentropy\_aix.c  
src/getentropy\_bsd.c  
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include/bsd/md5.h

src/hash/md5.c

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.

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

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

src/devices/xditview/DESC.in  
src/devices/xditview/Dvi.c  
src/devices/xditview/Dvi.h  
src/devices/xditview/DviP.h  
src/devices/xditview/FontMap  
src/devices/xditview/GXditview.ad  
src/devices/xditview/Menu.h  
src/devices/xditview/ad2c  
src/devices/xditview/device.c  
src/devices/xditview/device.h  
src/devices/xditview/draw.c  
src/devices/xditview/font.c  
src/devices/xditview/gray1.bm  
src/devices/xditview/gray2.bm  
src/devices/xditview/gray3.bm  
src/devices/xditview/gray4.bm  
src/devices/xditview/gray5.bm

src/devices/xditview/gray6.bm  
src/devices/xditview/gray7.bm  
src/devices/xditview/gray8.bm  
src/devices/xditview/gxditview.man  
src/devices/xditview/lex.c  
src/devices/xditview/page.c  
src/devices/xditview/parse.c  
src/devices/xditview/xdit.bm  
src/devices/xditview/xdit\_mask.bm  
src/devices/xditview/xditview.c

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

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

## Macro Packages

-----

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

tmac/doc.tmac  
tmac/doc-old.tmac  
tmac/doc-common  
tmac/doc-ditroff  
tmac/doc-nroff  
tmac/doc-syms  
tmac/groff\_mdoc.man

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

tmac/e.tmac  
tmac/groff\_me.man  
doc/meintro.me  
doc/meintro\_fr.me  
doc/meref.me

## Hyphenation Patterns

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

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

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

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

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

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

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

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

<http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex>  
<http://dante.ctan.org/CTAN/language/hyphenation/dehypht.tex> .

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- . The file ``tmac/hyphenex.det'` is identical to the file ``dehyphtex.tex'`, which can be found at

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

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

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Version 3, 29 June 2007

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## 1.244 libxext 1.3.3-1

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# 1.245 open-isns 0.97-2build1

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## 1.251.1 Available under license :

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

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

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\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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## SHA224, SHA256, SHA384, and SHA512

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## 1.260 libpkit 0.23.9-2

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- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
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lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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the  
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lib/kdb/iprof.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
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"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/iproper\_hdr.h  
kadmin/server/iproperd\_svc.c  
lib/kdb/iproper.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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```
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```

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## 1.272 pyjwt 1.5.3+ds1-1

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

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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
- 
- Copyright (C) Andrew Tridgell            2005
- + Copyright (C) Andrew Tridgell            1999-2005
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Gadi Oxman, August 1995

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

<http://sourceforge.net/projects/e2fsprogs>

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

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#

# This 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/](http://tsx-11.mit.edu:/pub/linux/packages/ext2fs/)

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Theodore Ts'o  
23-June-2007

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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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# 1.277 free-type 2.10.1

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2006-Jan-27

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# All lines in this file are patterns, including the comment lines; this

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#

# Don't put empty lines into this file!

#

.gitignore

#

builds/unix/pkg.m4

#

docs/FTL.TXT

docs/GPLv2.TXT

#

include/freetype/internal/fthash.h

#

src/base/fthash.c

src/base/md5.c

src/base/md5.h

#

src/bdf/bdf.c

src/bdf/bdf.h

src/bdf/bdfdrivr.c

src/bdf/bdfdrivr.h

src/bdf/bdferror.h

src/bdf/bdflib.c

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

src/pcf/pcfread.h

src/pcf/pcfutil.c

src/pcf/pcfutil.h

```
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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## 1.280 minitest 5.10.3

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```

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## Commands to generate dependency files  
GEN\_DEPS.c= \$(CC) -E -MM \$(DEFS) \$(CPPFLAGS)  
GEN\_DEPS.cc= \$(CXX) -E -MM \$(DEFS) \$(CPPFLAGS)

## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D\_REENTRANT  
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path  
LD\_RPATH=  
LD\_RPATH\_PRE= -Wl,-rpath,

## Compiler switch to embed a library name  
LD\_SONAME = -Wl,-soname -Wl,\$(notdir \$(MIDDLE\_SO\_TARGET))

## Shared library options  
LD\_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix  
SO = so  
## Non-shared intermediate object suffix  
STATIC\_O = ao

## Compilation  
rules  
%. \$(STATIC\_O): \$(srcdir)/%.c  
\$(COMPILE.c) \$(STATICCPPFLAGS) \$(STATICCFLAGS) -o \$@ \$<  
%.o: \$(srcdir)/%.c  
\$(COMPILE.c) \$(DYNAMICCPPFLAGS) \$(DYNAMICCFLAGS) -o \$@ \$<  
  
%. \$(STATIC\_O): \$(srcdir)/%.cpp  
\$(COMPILE.cc) \$(STATICCPPFLAGS) \$(STATICCXXFLAGS) -o \$@ \$<  
%.o: \$(srcdir)/%.cpp  
\$(COMPILE.cc) \$(DYNAMICCPPFLAGS) \$(DYNAMICCXXFLAGS) -o \$@ \$<

## Dependency rules  
%.d: \$(srcdir)/%.c  
@echo "generating dependency information for \$<"  
@\$(SHELL) -ec '\$(GEN\_DEPS.c) \$< \

```
| sed \"s/($*)\\.o[ :]*/1.o $@ : /g\" > $@; \\  
[ -s $@ ] || rm -f $@'
```

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

## Versioned libraries rules

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

## Bind internal references

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

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

```
## Remove shared library 's'  
STATIC_PREFIX_WHEN_USED =  
STATIC_PREFIX =
```

## End BSD-specific setup

This package was debianized by Jay Berkenbilt <qjb@debian.org> on  
August 5, 2005.

The packaging was taken over by Laszlo Boszormenyi (GCS) <gcs@debian.org> on  
Tue, 17 Mar 2015.

The original source was downloaded from  
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```
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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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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language  
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| -----         | -----                          |
| mach_override | lib/interception/mach_override |

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# 1.294 google-uuid 1.1.2

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# 1.299 lvm2 2.02.176-4.1ubuntu3.18.04.3

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Version 2.1, February 1999

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

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

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

Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <[lasse.collin@tukaani.org](mailto:lasse.collin@tukaani.org)>

<http://tukaani.org/xz/lists.html>

Source:

<http://tukaani.org/xz>

<http://git.tukaani.org/xz.git>

Comment:

XZ Utils is developed and maintained upstream by Lasse Collin. Major

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To: Jonathan Nieder <[jrnieder@gmail.com](mailto:jrnieder@gmail.com)>

Subject: Re: XZ utils for Debian

Date: Sun, 19 Jul 2009 13:28:23 +0300

Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

.  
[...]

.  
> AUTHORS, ChangeLog, COPYING, README, THANKS, TODO,  
> dos/README,

windows/README

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changelog.gz (commit 975d8fd) explains:

.

Recreated the BCJ test files

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dos/config.h

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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

License: config-h

configure.ac:

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comments from Autoconf 2.52g:

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dos/config.h was generated with autoheader, which tells Autoconf to  
output a script to generate a config.h file and then runs it.

Files: po/Makevars

Origin: gettext-runtime/po/Makevars (gettext-0.12)

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Authors: Bruno Haible

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# 1.309 base-files 10.1ubuntu2.10

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include/bsd/vis.h  
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man/errc.3bsd  
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man/fgetwln.3bsd  
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Files:

include/bsd/readpassphrase.h

man/readpassphrase.3bsd

man/strncpy.3bsd

man/strtonum.3bsd

src/arc4random.c

src/arc4random\_openbsd.h

src/arc4random\_uniform.c

src/arc4random\_unix.h

src/closefrom.c

src/getentropy\_aix.c

src/getentropy\_bsd.c

src/getentropy\_hpux.c

src/getentropy\_hurd.c

src/getentropy\_linux.c

src/getentropy\_osx.c

src/getentropy\_solaris.c

src/readpassphrase.c

src/reallocarray.c

src/strlcat.c

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src/strtonum.c

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src/inet\_net\_pton.c

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src/hash/md5.c

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src/hash/md5hl.c

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```
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```

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

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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## 1.323 java-common 0.63ubuntu1~02

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Upstream-Name: Java Common

Upstream-Contact: Debian Java Team <[debian-java@lists.debian.org](mailto:debian-java@lists.debian.org)>

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```

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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The End

## 1.328 vim 8.0.1453-1ubuntu1.4

## 1.329 cryptsetup 2.0.2-1ubuntu1.2

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## 1.330 postfix 3.3.0-1ubuntu0.3

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Included for the use of the fix\_strcasecmp.c module which works around a Solaris problem.

/\*

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# 1.333 configobj 5.0.6

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

Upstream-Name: ConfigObj

Upstream-Contact: Michael Foord <fuzzyman@voidspace.org.uk>

Source: <http://www.voidspace.org.uk/python/configobj.html>

Files: \*

Copyright: 2005-2010, Michael Foord, Mark Andrews, Nicola Larosa

2014, Eli Courtwright <eli@courtwright.org>

2014, Rob Dennis <rdennis@gmail.com>

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Files: debian/\*

Copyright: 2006, Gustavo Noronha Silva <kov@debian.org>

2008, Daniel Watkins <daniel@daniel-watkins.co.uk>

2010-2013, Stefano Rivera <stefanor@debian.org>

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## 1.334 io-console 0.4.6

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## 1.337 psych 3.0.2

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## 1.342 fiddle 1.0.0

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## 1.343 fileutils 1.0.2

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## 1.344 json 2.1.0

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 */
```

Found in path(s):

```
* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/ext/json/ext/generator/generator.c
```

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

```
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 * part of YUI-Ext version 0.40, distributed under the terms of an MIT-style
```



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Found in path(s):

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Found in path(s):

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Parser.rl

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## # Changes

### ## 2017-04-18 (2.1.0)

\* Allow passing of `decimal\_class` option to specify a class as which to parse JSON float numbers.

### ## 2017-03-23 (2.0.4)

\* Raise exception for incomplete unicode surrogates/character escape sequences. This problem was reported by Daniel Gollahon (dgollahon).

\* Fix arbitrary heap exposure problem. This problem was reported by Ahmad Sherif (ahmadsherif).

### ## 2017-01-12 (2.0.3)

\* Set `required\_ruby\_version` to 1.9

\* Some small fixes

### ## 2016-07-26 (2.0.2)

\* Specify `required\_ruby\_version` for json\\_pure.

\* Fix issue #295 failure when parsing frozen strings.

### ## 2016-07-01 (2.0.1)

\* Fix problem when requiring json\\_pure and Parser constant was defined top level.

\* Add `RB\_GC\_GUARD` to avoid possible GC problem via Pete Johns.

\* Store `current\_nesting` on stack by Aaron Patterson.

### ## 2015-09-11 (2.0.0)

\* Now complies to newest JSON RFC 7159.

\* Implements compatibility to ruby 2.4 integer unification.

\* Drops support for old rubies whose life has ended, that is rubies < 2.0.

Also see <https://www.ruby-lang.org/en/news/2014/07/01/eol-for-1-8-7-and-1-9-2/>

\* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation.

I changed these mentions to be consistent with the Ruby license setting in the gems spec files which were already correct now.

## 2015-06-01 (1.8.3)

- \* Fix potential memory leak, thx to nobu.

## 2015-01-08 (1.8.2)

- \* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.

- \* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of `JSON.dump\_default\_options`.

- \*

More tests by Michael Mac-Vicar <mamacvicar@gmail.com> and fixing `space\_before` accessor in generator.

- \* Performance on Jruby improved by Ben Browning <bbrowning@redhat.com>.

- \* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.

## 2013-05-13 (1.8.1)

- \* Remove Rubinius exception since transcoding should be working now.

## 2013-05-13 (1.8.0)

- \* Fix <https://github.com/flori/json/issues/162> reported by Marc-Andre Lafortune <github\_rocks@marc-andre.ca>. Thanks!

- \* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.

- \* Applied patch by ginriki@github to remove unnecessary if.

- \* Add load/dump interface to `JSON::GenericObject` to make  
serialize :some\_attribute, `JSON::GenericObject`  
work in Rails active models for convenient `SomeModel#some\_attribute.foo.bar`  
access to serialised JSON data.

## 2013-02-04 (1.7.7)

- \* Security fix for JSON create\_additions default value and `JSON::GenericObject`. It should not be possible to create additions unless explicitly requested by setting the create\_additions argument to true or using the JSON.load/dump interface. If `JSON::GenericObject` is supposed to be automatically deserialised, this has to be explicitly enabled by setting

JSON::GenericObject.json\_creatable = true

as well.

- \* Remove useless assert in fbuffer implementation.

- \* Apply patch attached to <https://github.com/flori/json/issues#issue/155> provided by John Shahid <jvshahid@gmail.com>, Thx!

- \* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.

- \* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

## 2012-11-29 (1.7.6)

- \* Add `GeneratorState#merge` alias for JRuby, fix state accessor methods. Thx to

jvshahid@github.

- \* Increase hash likeness of state objects.

## 2012-08-17

(1.7.5)

- \* Fix compilation of extension on older rubies.

## 2012-07-26 (1.7.4)

- \* Fix compilation problem on AIX, see <https://github.com/flori/json/issues/142>

## 2012-05-12 (1.7.3)

- \* Work around Rubinius encoding issues using iconv for conversion instead.

## 2012-05-11 (1.7.2)

- \* Fix some encoding issues, that cause problems for the pure and the extension variant in jruby 1.9 mode.

## 2012-04-28 (1.7.1)

- \* Some small fixes for building

## 2012-04-28 (1.7.0)

- \* Add `JSON::GenericObject` for method access to objects transmitted via JSON.

## 2012-04-27 (1.6.7)

- \* Fix possible crash when trying to parse nil value.

## 2012-02-11 (1.6.6)

- \* Propagate src encoding to values made from it (fixes 1.9 mode converting everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo

<tom.enebo@gmail.com>), should fix

<https://github.com/flori/json/issues#issue/119>.

- \* Fix <https://github.com/flori/json/issues#issue/124> Thx to Jason Hutchens.

- \* Fix <https://github.com/flori/json/issues#issue/117>

##

2012-01-15 (1.6.5)

- \* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using

optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda

<bkbarda@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and

developing a patch fix.

## 2011-12-24 (1.6.4)

- \* Patches that improve speed on JRuby contributed by Charles Oliver Nutter

<headius@headius.com>.

- \* Support `object\_class`/`array\_class` with duck typed hash/array.

## 2011-12-01 (1.6.3)

- \* Let `JSON.load("")` return nil as well to make mysql text columns (default to

`") work better for serialization.

#### ## 2011-11-21 (1.6.2)

- \* Add support for OpenStruct and BigDecimal.
- \* Fix bug when parsing nil in `quirks\_mode`.
- \* Make JSON.dump and JSON.load methods better cooperate with Rails' serialize method. Just use:  
    serialize :value, JSON
- \* Fix bug with time serialization concerning nanoseconds. Thanks for the patch go to Josh Partlow (jpartlow@github).
- \* Improve parsing speed for JSON numbers (integers and floats) in a similar way to what Evan Phoenix <evan@phx.io> suggested in:  
<https://github.com/flori/json/pull/103>

#### ## 2011-09-18 (1.6.1)

- \* Using -target 1.5 to force Java bits to compile with 1.5.

#### ## 2011-09-12 (1.6.0)

- \* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
- \* Split json/add/core into different files for classes to be serialised.

#### ## 2011-08-31 (1.5.4)

- \* Fix memory leak when used from multiple JRuby. (Patch by jfirebaugh@github).
- \* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem reported in <https://github.com/flori/json/issues/46>.
- \* Add :quirks\_mode option to parser and generator.
- \* Add support for Rational and Complex number additions via json/add/complex and json/add/rational requires.

#### ## 2011-06-20 (1.5.3)

- \* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
- \* Add  
`as\_json` methods in json/add/core, so rails can create its json objects the new way.

#### ## 2011-05-11 (1.5.2)

- \* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
- \* Add gemspecs for json and json\\_pure.
- \* Fix bug in jruby pretty printing.
- \* Fix bug in `object\_class` and `array\_class` when inheriting from Hash or Array.

#### ## 2011-01-24 (1.5.1)

- \* Made rake-compiler build a fat binary gem. This should fix issue <https://github.com/flori/json/issues#issue/54>.

## 2011-01-22 (1.5.0)

- \* Included Java source codes for the Jruby extension made by Daniel Luz <dev@mernen.com>.
- \* Output full exception message of `deep\_const\_get` to aid debugging.
- \* Fixed an issue with ruby 1.9 `Module#const\_defined?` method, that was reported by Riley Goodside.

## 2010-08-09 (1.4.6)

- \* Fixed oversight reported in <http://github.com/flori/json/issues/closed#issue/23>, always create a new object from the state prototype.
- \* Made pure and ext api more similar again.

##

2010-08-07 (1.4.5)

- \* Manage data structure nesting depth in state object during generation. This should reduce problems with `to\_json` method definitions that only have one argument.
- \* Some fixes in the state objects and additional tests.

## 2010-08-06 (1.4.4)

- \* Fixes build problem for rubinius under OS X, <http://github.com/flori/json/issues/closed#issue/25>
- \* Fixes crashes described in <http://github.com/flori/json/issues/closed#issue/21> and <http://github.com/flori/json/issues/closed#issue/23>

## 2010-05-05 (1.4.3)

- \* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
- \* Fixed issue <http://github.com/flori/json/issues/#issue/20> reported by electronicwhisper@github. Thx!

## 2010-04-26 (1.4.2)

- \* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with Microsoft Visual C possible again.
- \* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of json\_pure if extensiontask is not present.
- \* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory leak, which is fixed in this release.
- \* Applied 993f261ccb8f911d2ae57e9db48ec7acd0187283 patch from josh@github.

## 2010-04-25 (1.4.1)

- \* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T\_FIXNUM being different on 32bit/64bit architectures.

## 2010-04-23 (1.4.0)

- \* Major speed improvements and building with simplified directory/file-structure.
- \* Extension should at least be compatible with MRI, YARV and Rubinius.

## 2010-04-07 (1.2.4)

- \* Trigger const\_missing callback to make Rails' dynamic class loading work.

## 2010-03-11 (1.2.3)

- \* Added a `State#[]` method which returns an attribute's value in order to increase duck type compatibility to Hash.

## 2010-02-27 (1.2.2)

- \* Made some changes to make the building of the parser/generator compatible to Rubinius.

## 2009-11-25 (1.2.1)

- \* Added `:symbolize\_names` option to Parser, which returns symbols instead of strings in object names/keys.

## 2009-10-01 (1.2.0)

- \* `fast\_generate` now raises an exception for nan and infinite floats.
- \* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion functions are used to convert from all supported encodings. ASCII-8BIT encoded strings are handled like all strings under Ruby 1.8 were.
- \* Better documentation

## 2009-08-23 (1.1.9)

- \* Added forgotten main doc file `extra\_rdoc\_files`.

## 2009-08-23 (1.1.8)

- \* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.
- \* Applied patch by okkez\_ in order to fix Ruby Bug #1768: <http://redmine.ruby-lang.org/issues/show/1768>.
- \* Finally got around to avoid the rather paranoid escaping of `?/` characters in the generator's output. The parsers aren't affected by this change. Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.

## 2009-06-29 (1.1.7)

- \* Security Fix for JSON::Pure::Parser. A specially designed string could cause catastrophic backtracking in one of the parser's regular expressions in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue. Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this problem.
- \* This release also uses a less strict ruby version requirement for the creation of the mswin32 native gem.

## 2009-05-10 (1.1.6)

- \* No changes. tested native linux gems in the last release and they don't play well with different ruby versions other than the one the gem was built with. This release is just to bump the version number in order to skip the

native gem on rubyforge.

## 2009-05-10 (1.1.5)

- \* Started to build gems with rake-compiler gem.
- \* Applied patch object/array class patch from Brian Candler <B.Candler@pobox.com> and fixes.

## 2009-04-01 (1.1.4)

- \* Fixed a bug in the creation of serialized generic rails objects reported by Friedrich Graeter <graeter@hydrixos.org>.
- \* Deleted tests/runner.rb, we're using testrb instead.
- \* Editor supports Infinity in numbers now.
- \* Made some changes in order to get the library to compile/run under Ruby 1.9.
- \* Improved speed of the code path for the fast\_generate method in the pure variant.

## 2008-07-10 (1.1.3)

- \* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime handling: If the nominator and denominator of the offset were divisible by each other Ruby's Rational#to\_s returns them as an integer not a fraction with '/'. This caused a ZeroDivisionError during parsing.
- \* Use Date#start and DateTime#start instead of sg method, while remaining backwards compatible.
- \* Supports ragel >= 6.0 now.
- \* Corrected some tests.
- \* Some minor changes.

## 2007-11-27 (1.1.2)

- \* Remember default dir (last used directory) in editor.
- \* JSON::Editor.edit method added, the editor can now receive json texts from the clipboard via C-v.
- \* Load json texts from an URL pasted via middle button press.
- \* Added :create\_additions option to Parser. This makes it possible to disable the creation of additions by force, in order to treat json texts as data while having additions loaded.
- \* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON object if the rails addition is enabled, which is wrong. It now outputs a JSON string "foo" instead, like suggested by Jacob Maine.
- \* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to\_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

## 2007-07-06 (1.1.1)

\* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby

1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.

\* Introduced a `JSON.parse!` method without depth checking for people who like danger.

\* Made generate and `pretty\_generate` methods configurable by an options hash.

\* Added :allow\_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.

\* Fixed some more tests for Ruby 1.9.

\* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.

\* Implemented the `max\_nesting` feature for generate methods, too.

\* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

## 2007-05-21 (1.1.0)

\* Implemented

max\_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max\_nesting => false.

\* Piers Cawley <pdcauley@bofh.org.uk> reported a bug, that not every character can be escaped by `\\` as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because the JSON checker seems to be a bit older than the RFC.

\* Extended license to Ruby License, which includes the GPL.

\* Added keyboard shortcuts, and 'Open location' menu item to edit\_json.rb.

## 2007-05-09 (1.0.4)

\* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile under Ruby 1.9. Thank you very much for mailing it to me!

\* Made binary variants of JSON fail early, instead of falling back to the pure version. This should avoid overshadowing of eventual problems while loading of the binary.

## 2007-03-24 (1.0.3)

\* Improved performance of pure variant a bit.

\* The ext variant of this release supports the mswin32 platform. Ugh!

## 2007-03-24 (1.0.2)

\* Ext Parser didn't parse 0e0 correctly into 0.0: Fixed!

## 2007-03-24 (1.0.1)



\* Forgot some object files in the build dir. I really like that - not!

## 2007-03-24 (1.0.0)

- \* Added C implementations for the JSON generator and a ragel based JSON parser in C.
- \* Much more tests, especially fixtures from json.org.
- \* Further improved conformance to RFC4627.

## 2007-02-09 (0.4.3)

- \* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object ``"{ ... }"`` or array ``"[ ... ]"`` in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby (`[ \t\r\n]`), and there are differences in floats and integers (no octals or hexadecimals) as well.
- \* Added aliases `generate` and ``pretty_generate`` of `unparse` and ``pretty_unparse``.
- \* Fixed a test case.
- \* Catch an ``Iconv::InvalidEncoding`` exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

## 2006-08-25 (0.4.2)

- \* Fixed a bug in handling solidi (`/-`characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

## 2006-02-06 (0.4.1)

- \* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

## 2005-09-23 (0.4.0)

- \* Initial Rubyforge Version

Found in path(s):

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/CHANGES.md

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

/\*

\* This code is copyrighted work by Daniel Luz <dev at mernen dot com>.

\*

\* Distributed under the Ruby license: <https://www.ruby-lang.org/en/about/license.txt>

\*/

Found in path(s):

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/RuntimeInfo.java

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/GeneratorMethods.java

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/StringEncoder.java

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/OptionsReader.java

\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Parser.java  
\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/GeneratorService.java  
\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/ParserService.java  
\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/ByteListTranscoder.java  
\*  
/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/GeneratorState.java  
\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Utils.java  
\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/StringDecoder.java  
\* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Generator.java  
No license file was found, but licenses were detected in source scan.

|                                        |              |
|----------------------------------------|--------------|
| Internet Engineering Task Force (IETF) | T. Bray, Ed. |
| Request for Comments: 7159             | Google, Inc. |
| Obsoletes: 4627, 7158                  | March 2014   |
| Category: Standards Track              |              |
| ISSN: 2070-1721                        |              |

## The JavaScript Object Notation (JSON) Data Interchange Format

### Abstract

JavaScript Object Notation (JSON) is a lightweight, text-based, language-independent data interchange format. It was derived from the ECMAScript Programming Language Standard. JSON defines a small set of formatting rules for the portable representation of structured data.

This document removes inconsistencies with other specifications of JSON, repairs specification errors, and offers experience-based interoperability guidance.

### Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in Section 2 of RFC 5741.

Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at <http://www.rfc-editor.org/info/rfc7159>.

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## 1. Introduction

### JavaScript

Object Notation (JSON) is a text format for the serialization of structured data. It is derived from the object literals of JavaScript, as defined in the ECMAScript Programming Language Standard, Third Edition [ECMA-262].

JSON can represent four primitive types (strings, numbers, booleans, and null) and two structured types (objects and arrays).

A string is a sequence of zero or more Unicode characters [UNICODE]. Note that this citation references the latest version of Unicode rather than a specific release. It is not expected that future changes in the UNICODE specification will impact the syntax of JSON.

An object is an unordered collection of zero or more name/value pairs, where a name is a string and a value is a string, number, boolean, null, object, or array.

An array is an ordered sequence of zero or more values.

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The terms "object" and "array" come from the conventions of JavaScript.

JSON's design goals were for it to be minimal, portable, textual, and a subset of JavaScript.

### 1.1. Conventions Used in This Document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

The grammatical rules in this document are to be interpreted as described in [RFC5234].

## 1.2. Specifications of JSON

This document updates [RFC4627], which describes JSON and registers the media type "application/json".

A description of JSON in ECMAScript terms appears in Version 5.1 of the ECMAScript specification [ECMA-262], Section 15.12. JSON is also described in [ECMA-404].

All of the specifications of JSON syntax agree on the syntactic elements of the language.

## 1.3. Introduction to This Revision

In the years since the publication of RFC 4627, JSON has found very wide use. This experience has revealed certain patterns, which, while allowed by its specifications, have caused interoperability problems.

Also, a small number of errata have been reported (see RFC Errata IDs 607 [Err607] and 3607 [Err3607]).

This document's goal is to apply the errata, remove inconsistencies with other specifications of JSON, and highlight practices that can lead to interoperability problems.

## 2. JSON Grammar

A JSON text is a sequence of tokens. The set of tokens includes six structural characters, strings, numbers, and three literal names.

A JSON text is a serialized value. Note that certain previous specifications of JSON constrained a JSON text to be an object or an

array. Implementations that generate only objects or arrays where a JSON text is called for will be interoperable in the sense that all implementations will accept these as conforming JSON texts.

JSON-text = ws value ws

These are the six structural characters:

begin-array = ws %x5B ws ; [ left square bracket

begin-object = ws %x7B ws ; { left curly bracket

end-array = ws %x5D ws ; ] right square bracket

end-object = ws %x7D ws ; } right curly bracket

name-separator = ws %x3A ws ; : colon

value-separator = ws %x2C ws ; , comma

Insignificant whitespace is allowed before or after any of the six structural characters.

ws = \*(  
    %x20 /           ; Space  
    %x09 /           ; Horizontal tab  
    %x0A /           ; Line feed or New line  
    %x0D )          ; Carriage return

### 3. Values

A JSON value MUST be an object, array, number, or string, or one of the following three literal names:

false null true

The literal names MUST be lowercase. No other literal names are allowed.

value = false / null / true / object / array / number / string

false = %x66.61.6c.73.65 ; false

null = %x6e.75.6c.6c ; null

true = %x74.72.75.65 ; true

#### 4. Objects

An object structure is represented as a pair of curly brackets surrounding zero or more name/value pairs (or members). A name is a string. A single colon comes after each name, separating the name from the value. A single comma separates a value from a following name. The names within an object SHOULD be unique.

```
object = begin-object [ member *( value-separator member ) ]
        end-object
```

```
member = string name-separator value
```

An object whose names are all unique is interoperable in the sense that all software implementations receiving that object will agree on the name-value mappings. When the names within an object are not unique, the behavior of software that receives such an object is unpredictable. Many implementations report the last name/value pair only. Other implementations report an error or fail to parse the object, and some implementations report all of the name/value pairs, including duplicates.

JSON parsing libraries have been observed to differ as to whether or not they make the ordering of object members visible to calling software. Implementations whose behavior does not depend on member ordering will be interoperable in the sense that they will not be affected by these differences.

#### 5. Arrays

An array structure is represented as square brackets surrounding zero or more values (or elements). Elements are separated by commas.

```
array = begin-array [ value *( value-separator
value ) ] end-array
```

There is no requirement that the values in an array be of the same



type.

## 6. Numbers

The representation of numbers is similar to that used in most programming languages. A number is represented in base 10 using decimal digits. It contains an integer component that may be prefixed with an optional minus sign, which may be followed by a fraction part and/or an exponent part. Leading zeros are not allowed.

A fraction part is a decimal point followed by one or more digits.

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An exponent part begins with the letter E in upper or lower case, which may be followed by a plus or minus sign. The E and optional sign are followed by one or more digits.

Numeric values that cannot be represented in the grammar below (such as Infinity and NaN) are not permitted.

number =  
[ minus ] int [ frac ] [ exp ]

decimal-point = %x2E ; .

digit1-9 = %x31-39 ; 1-9

e = %x65 / %x45 ; e E

exp = e [ minus / plus ] 1\*DIGIT

frac = decimal-point 1\*DIGIT

int = zero / ( digit1-9 \*DIGIT )

minus = %x2D ; -

plus = %x2B ; +

zero = %x30 ; 0

This specification allows implementations to set limits on the range and precision of numbers accepted. Since software that implements IEEE 754-2008 binary64 (double precision) numbers [IEEE754] is generally available and widely used, good interoperability can be achieved by implementations that expect no more precision or range than these provide, in the sense that implementations will approximate JSON numbers within the expected precision. A JSON number such as 1E400 or 3.141592653589793238462643383279 may indicate potential interoperability problems, since it suggests that the software that created it expects receiving software to have greater capabilities for numeric magnitude and precision than is widely available.

Note that when such software is used, numbers that are integers and are in the range  $[-(2^{53})+1, (2^{53})-1]$  are interoperable in the sense that implementations will agree exactly on their numeric values.

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## 7. Strings

The representation of strings is similar to conventions used in the C family of programming languages. A string begins and ends with quotation marks. All Unicode characters may be placed within the quotation marks, except for the characters that must be escaped: quotation mark, reverse solidus, and the control characters (U+0000 through U+001F).

Any character may be escaped. If the character is in the Basic Multilingual Plane (U+0000 through U+FFFF), then it may be represented as a six-character sequence: a reverse solidus, followed by the lowercase letter u, followed by four hexadecimal digits that encode the character's code point. The hexadecimal letters A through F can be upper or lower case. So, for example, a string containing only a single reverse solidus character may be represented as `"\u005C"`.

Alternatively, there are two-character sequence escape representations of some popular characters. So, for example, a string containing only a single reverse solidus character may be represented more compactly as "\\".

To escape an extended character that is not in the Basic Multilingual Plane, the character is represented as a 12-character sequence, encoding the UTF-16 surrogate pair. So, for example, a string containing only the G clef character (U+1D11E) may be represented as "\uD834\uDD1E".

string = quotation-mark \*char quotation-mark

char = unescaped

/

escape (

|                |         |                 |        |
|----------------|---------|-----------------|--------|
| %x22 /         | ; "     | quotation mark  | U+0022 |
| %x5C /         | ; \     | reverse solidus | U+005C |
| %x2F /         | ; /     | solidus         | U+002F |
| %x62 /         | ; b     | backspace       | U+0008 |
| %x66 /         | ; f     | form feed       | U+000C |
| %x6E /         | ; n     | line feed       | U+000A |
| %x72 /         | ; r     | carriage return | U+000D |
| %x74 /         | ; t     | tab             | U+0009 |
| %x75 4HEXDIG ) | ; uXXXX |                 | U+XXXX |

escape = %x5C ; \

quotation-mark = %x22 ; "

unescaped = %x20-21 / %x23-5B / %x5D-10FFFF

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## 8. String and Character Issues

### 8.1. Character Encoding

JSON text SHALL be encoded in UTF-8, UTF-16, or UTF-32. The default encoding is UTF-8, and

JSON texts that are encoded in UTF-8 are

interoperable in the sense that they will be read successfully by the

maximum number of implementations; there are many implementations that cannot successfully read texts in other encodings (such as UTF-16 and UTF-32).

Implementations **MUST NOT** add a byte order mark to the beginning of a JSON text. In the interests of interoperability, implementations that parse JSON texts **MAY** ignore the presence of a byte order mark rather than treating it as an error.

## 8.2. Unicode Characters

When all the strings represented in a JSON text are composed entirely of Unicode characters [UNICODE] (however escaped), then that JSON text is interoperable in the sense that all software implementations that parse it will agree on the contents of names and of string values in objects and arrays.

However, the ABNF in this specification allows member names and string values to contain bit sequences that cannot encode Unicode characters; for example, "\uDEAD" (a single unpaired UTF-16 surrogate). Instances of this have been observed, for example, when a library truncates a UTF-16 string without checking whether the truncation split a surrogate pair. The behavior of software that receives JSON texts containing such values is unpredictable; for example, implementations might return different values for the length of a string value or even suffer fatal runtime exceptions.

## 8.3. String Comparison

Software implementations are typically required to test names of object members for equality. Implementations that transform the textual representation into sequences of Unicode code units and then perform the comparison numerically, code unit by code unit, are interoperable in the sense that implementations will agree in all cases on equality or inequality of two strings. For example, implementations that compare strings with escaped characters unconverted may incorrectly find that "a\\b" and "a\u005Cb" are not equal.

## 9. Parsers

A JSON parser transforms a JSON text into another representation. A JSON parser **MUST** accept all texts that conform to the JSON grammar. A JSON parser **MAY** accept non-JSON forms or extensions.

An implementation may set limits on the size of texts that it accepts. An implementation may set limits on the maximum depth of nesting. An implementation may set limits on the range and precision of numbers. An implementation may set limits on the length and character contents of strings.

## 10. Generators

A JSON generator produces JSON text. The resulting text **MUST** strictly conform to the JSON grammar.

## 11. IANA Considerations

The MIME media type for JSON text is application/json.

Type name: application

Subtype name: json

Required parameters: n/a

Optional parameters: n/a

Encoding considerations: binary

Security considerations: See [RFC7159], Section 12.

Interoperability considerations: Described in [RFC7159]

Published specification: [RFC7159]

Applications that use this media type:

JSON has been used to exchange data between applications written in all of these programming languages: ActionScript, C, C#, Clojure, ColdFusion, Common Lisp, E, Erlang, Go, Java, JavaScript, Lua, Objective CAML, Perl, PHP, Python, Rebol, Ruby, Scala, and Scheme.

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Additional information:

Magic number(s): n/a

File extension(s): .json

Macintosh file type code(s): TEXT

Person & email address to contact for further information:

IESG

<iesg@ietf.org>

Intended usage: COMMON

Restrictions on usage: none

Author:

Douglas Crockford

<douglas@crockford.com>

Change controller:

IESG

<iesg@ietf.org>

Note: No "charset" parameter is defined for this registration.

Adding one really has no effect on compliant recipients.

## 12. Security Considerations

Generally, there are security issues with scripting languages. JSON is a subset of JavaScript but excludes assignment and invocation.

Since JSON's syntax is borrowed from JavaScript, it is possible to use that language's "eval()" function to parse JSON texts. This generally constitutes an unacceptable security risk, since the text could contain executable code along with data declarations. The same consideration applies to the use of eval()-like functions in any other programming language in which JSON texts conform to that language's syntax.

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### 13. Examples

This is a JSON object:

```
{
  "Image": {
    "Width": 800,
    "Height": 600,
    "Title": "View from 15th Floor",
    "Thumbnail": {
      "Url": "http://www.example.com/image/481989943",
      "Height": 125,
      "Width": 100
    },
    "Animated" : false,
    "IDs": [116, 943, 234, 38793]
  }
}
```

Its Image member is an object whose Thumbnail member is an object and whose IDs member is an array of numbers.

This is a JSON array containing two objects:

```
[
  {
    "precision": "zip",
    "Latitude": 37.7668,
    "Longitude": -122.3959,
```

```

    "Address": "",
    "City": "SAN FRANCISCO",
    "State": "CA",
    "Zip": "94107",
    "Country": "US"
  },
  {
    "precision": "zip",

    "Latitude": 37.371991,
    "Longitude": -122.026020,
    "Address": "",
    "City": "SUNNYVALE",
    "State": "CA",
    "Zip": "94085",
    "Country": "US"
  }
]

```

|          |                 |            |
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Here are three small JSON texts containing only values:

```
"Hello world!"
```

```
42
```

```
true
```

#### 14. Contributors

RFC 4627 was written by Douglas Crockford. This document was constructed by making a relatively small number of changes to that document; thus, the vast majority of the text here is his.

#### 15. References

##### 15.1. Normative References

[IEEE754] IEEE, "IEEE Standard for Floating-Point Arithmetic", IEEE Standard 754, August 2008,



<<http://grouper.ieee.org/groups/754/>>.

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997.

[RFC5234] Crocker, D. and P. Overell, "Augmented BNF for Syntax Specifications: ABNF", STD 68, RFC 5234, January 2008.

[UNICODE] The Unicode Consortium, "The Unicode Standard", <<http://www.unicode.org/versions/latest/>>.

## 15.2. Informative References

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[Err3607] RFC Errata, Errata ID 3607, RFC 3607, <<http://www.rfc-editor.org>>.

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Appendix A. Changes from RFC 4627

This section lists changes between this document and the text in RFC 4627.

- o Changed the title and abstract of the document.
- o Changed the reference to [UNICODE] to be not version specific.
- o Added a "Specifications of JSON" section.
- o Added an "Introduction to This Revision" section.
- o Changed the definition of "JSON text" so that it can be any JSON value, removing the constraint that it be an object or array.
- o Added language about duplicate object member names, member ordering, and interoperability.
- o Clarified the absence of a requirement that values in an array be of the same JSON type.
- o Applied erratum #607 from RFC 4627 to correctly align the artwork for the definition of "object".
- o Changed "as sequences of digits" to "in the grammar below" in the "Numbers" section, and made base-10-ness explicit.
- o Added language about number interoperability as a function of IEEE754, and added an IEEE754 reference.
- o Added language about interoperability and Unicode characters and about string comparisons. To do this, turned the old "Encoding" section into a "String and Character Issues" section, with three subsections: "Character Encoding", "Unicode Characters", and "String Comparison".
- o Changed guidance in the "Parsers" section to point out that implementations may set limits on the range "and precision" of numbers.
- o Updated and tidied the "IANA Considerations" section.
- o Made a real "Security Considerations" section and lifted the text out of the previous "IANA Considerations" section.

- o Applied erratum #3607 from RFC 4627 by removing the security consideration that begins "A JSON text can be safely passed" and the JavaScript code that went with that consideration.
- o Added a note to the "Security Considerations" section pointing out the risks of using the "eval()" function in JavaScript or any other language in which JSON texts conform to that language's syntax.
- o Added a note to the "IANA Considerations" clarifying the absence of a "charset" parameter for the application/json media type.
- o Changed "100" to 100 and added a boolean field, both in the first example.
- o Added examples  
of JSON texts with simple values, neither objects  
nor arrays.
- o Added a "Contributors" section crediting Douglas Crockford.
- o Added a reference to RFC 4627.
- o Moved the ECMAScript reference from Normative to Informative and updated it to reference ECMAScript 5.1, and added a reference to ECMA 404.

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cb33a27/test/iso_week/years_m_year.fail.cpp
* /howardhinnant-date-v1-0-0-0-gcb33a27-tar-gz/HowardHinnant-date-
cb33a27/test/date_test/year_month_day_m_year_month_day.fail.cpp
* /howardhinnant-date-v1-0-0-0-gcb33a27-tar-gz/HowardHinnant-date-
cb33a27/test/iso_week/weekday_sum.fail.cpp
* /howardhinnant-date-v1-0-0-0-gcb33a27-tar-gz/HowardHinnant-date-
cb33a27/test/date_test/op_div_year_month_day.pass.cpp
* /howardhinnant-date-v1-0-0-0-gcb33a27-tar-gz/HowardHinnant-date-cb33a27/test/date_test/year_p_year.fail.cpp
*
/HowardHinnant-date-v1-0-0-0-gcb33a27-tar-gz/HowardHinnant-date-
cb33a27/test/date_test/op_div_int_month.fail.cpp

```

## 1.350 six 1.11.0

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The primary author and maintainer of six is Benjamin Peterson. He would like to acknowledge the following people who submitted bug reports, pull requests, and otherwise worked to improve six:

Marc Abramowitz  
Alexander Artemenko  
Aymeric Augustin  
Ned Batchelder  
Wouter Bolsterlee  
Brett Cannon  
Jason R. Coombs  
Julien Danjou  
Ben Darnell  
Ben Davis  
Tim Graham  
Thomas Grainger  
Max Grender-Jones  
Joshua Harlow  
Anselm Kruis  
Alexander Lukanin  
James Mills  
Berker Peksag  
Sridhar Ratnakumar  
Erik Rose  
Mirko Rossini  
Peter Ruibal  
Miroslav Shubernetskiy  
Anthony Sottile  
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If you think you belong on this list, please let me know! --Benjamin  
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# 1.351 python3-asn1crypto 0.24.0-1

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# 1.354 automat 0.6.0

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Found in path(s):

- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/ber/test\_encoder.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/der/\_\_main\_\_.py
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- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/useful.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/type/test\_opentype.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/compat/string.py
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- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/tagmap.py
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- \*
- /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/type/test\_constraint.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/compat/calling.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/codec/cer/decoder.py
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- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/cer/test\_encoder.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/debug.py
- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/cer/\_\_main\_\_.py
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- \* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/constraint.py

```

* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/der/test_decoder.py
*
/etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/codec/der/decoder.py
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*
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* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/native/__main__.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/tag.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/__main__.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/compat/test_binary.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/type/test_char.py
*
/etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/native/test_decoder.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/compat/octets.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/opentype.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/test_debug.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/compat/binary.py

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ASN.1 library for Python

-----  
[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.python.org/pypi/pyasn1)

[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.python.org/pypi/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 3.6

\* 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.python.org/pypi/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](<http://stackoverflow.com/questions/ask>) or try browsing pyasn1 [mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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ASN.1 library for Python

=====

```
.. toctree::  
    :maxdepth: 1
```

Abstract Syntax Notation One (ASN.1

[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1x](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.python.org/pypi/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 become 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

-----

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

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

/license

## Getting help

-----

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`\_ and `PRs` <<https://github.com/etingof/pyasn1/pulls>>`\_ at GitHub. Alternatively, you could ask for help at `Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_

or search

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

## Books on ASN.1

-----

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

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

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

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

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

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

\* `A Layman's Guide to a Subset of ASN.1, BER, and DER` <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>`\_  
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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Upstream-Name: urllib3

Upstream-Contact: Andrey Petrov <[andrey.petrov@shazow.net](mailto:andrey.petrov@shazow.net)>

Source: <http://pypi.python.org/pypi/urllib3>

Files: \*

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# Contributions to the urllib3 project

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## Contributors

In chronological order:

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

\* HTTPS patch (which inspired HTTPSConnectionPool)

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

\* NTLM-authenticated HTTPSConnectionPool

\* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)

\* niphlod <niphlod@gmail.com>

\* Client-verified SSL certificates for HTTPSConnectionPool

\* Response gzip and deflate encoding support

\* Better unicode support for filepost using StringIO buffers

\* btoconnor <brian@btoconnor.net>

\* Non-multipart encoding for POST requests

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

\* Code review, PEP8 compliance, benchmark fix

- \* kennethreitz <me@kennethreitz.com>
- \* Bugfixes, suggestions, Requests integration
  
- \* georgemarshal <http://github.com/georgemarshal>
- \* Bugfixes, Improvements and Test coverage
  
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- \* IPv6 url support and test coverage
  
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- \* Support for explicitly closing pooled connections
  
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- \* Corrected multipart behavior for params
  
- \* Thomas Weischuh <thomas@t-8ch.de>
- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
- \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
- \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield
- <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](mailto:jayvdb@gmail.com)>
  - \* Python 2.6 fixes; pyflakes and pep8 compliance
- 
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.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](mailto:palaviv@gmail.com)>
  - \* History list to Retry object.
  - \* HTTPResponse contains the last Retry object.
- 
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto: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](mailto:sethmichaellarson@protonmail.com)>
  - \* Created selectors

backport that supports PEP 475.

\* Alexandre Dias <alex.dias@smarkets.com>

\* Don't retry on timeout if method not in whitelist

\* Moinuddin Quadri <moin18@gmail.com>

\* Lazily load idna package

\* Tom White <s6yg1ez3@mail2tor.com>

\* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

\* Tim Burke <tim.burke@gmail.com>

\* Stop buffering entire deflate-encoded responses.

\* Tuukka Mustonen <tuukka.mustonen@gmail.com>

\* Add counter for status\_forcelist retries.

\* Erik Rose <erik@mozilla.com>

\* Bugfix to pyopenssl vendoring

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

\* [Brief summary of your changes]

# 1.363 viper 1.7.1

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## 1.364 jsonpointer 1.10

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## 1.366 oauthlib 2.0.6

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## 1.369 ssh-import-id 5.7

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# 1.372 python-apt 1.6.5ubuntu0.5

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```
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```

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

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Ty Coon, President of Vice
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-----

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(vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket UnZip GUI "wince/\*"), and Mark Adler (inflate/explode 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.

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---

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.

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- \* MoreFiles
- \*
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- \*
- \* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- \* with significant code contributions by Nitin Ganatra

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\* MacBinaryIII.h

\*

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\*

\* Basic encoding and decoding of Macintosh files to the

\* MacBinary III spec.

\* -----

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

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

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-----

The remaining code was written by many people associated with the  
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename  
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),  
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine  
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows  
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and  
others. See the file CONTRIBS in the source distribution for a much  
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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  
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-----

# 1.374 gopacket 1.1.19

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# 1.375 tar 1.29b-2ubuntu0.2

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Version 3, 29 June 2007

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## 1.376 iconv 2.27

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

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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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.

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This section is intended to make thoroughly clear what is believed to

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#### END OF TERMS AND CONDITIONS

#### Appendix: How to Apply These Terms to Your New Libraries

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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.>  
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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!

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Version 3, 29 June 2007

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(1)

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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.

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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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"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.

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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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### 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.
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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).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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# 1.381 libxau 1.0.8-1ubuntu1

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>>> freebsd-base64-4.8

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>>> freebsd-base64-4.8

base64.c -- routines to encode/decode base64 data

\$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp \$ /

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# 1.387 libtool 2.4.6-2

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src/base/md5.c

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src/bdf/bdf.h

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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

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'Gnomovision' (which makes passes at compilers) written by James Hacker.

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is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.392 bsd-mailx 8.1.2-0.20160123cvs-4

1.392.1 Available under license :

Mail Command	Description

t [message list]	type message(s).
more [message list]	read message(s), through the \$PAGER
n	goto and type next message.
e [message list]	edit message(s).
f [message list]	give head lines of messages.
d [message list]	delete message(s).
s [message list] <file>	append message(s) to file.
u [message list]	undelete message(s).
R [message list]	reply to message sender(s).
r [message list]	reply to message sender(s) and all recipients.
p [message list]	print message list.
pre [message list]	make messages go back to /var/mail.
m <recipient list>	mail to specific recipient(s).
q	quit, saving unresolved messages in mbox.
x	quit, do not remove system mailbox.

h print out active message headers.
 ! shell escape.
 | [msglist] command pipe message(s) to shell command.
 pi [msglist] command pipe message(s) to shell command.
 cd [directory] chdir to directory or home if none given
 fi
 <file> switch to file (%=system inbox, %user=user's
 system inbox). + searches in your folder
 directory for the file.
 set variable[=value] set Mail variable.

A [message list] consists of integers, ranges of same, :status, /subject, or user names separated by spaces. If omitted, Mail uses the current message. The pipe command doesn't accept user names or subject message list, since that might conflict with the command string.

A <recipient list> consists of recipient addresses or aliases separated by spaces. Aliases are defined in .mailrc in your home directory.

<file> is a full or relative pathname, +folder, % (system inbox), %user (specified user's system inbox), # (previous file), & (mbox file), or an expression understood by \${SHELL:-/bin/sh} -c 'echo ...'.

.\" \$OpenBSD: mail3.nr,v 1.4 2004/06/04 00:04:54 jmc Exp \$

.\"

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.\"

.\" @(#)mail3.nr 8.1 (Berkeley) 6/8/93

.\"

.sh 1 "Maintaining folders"

.pp

.i Mail

includes a simple facility for maintaining groups of messages together
in folders. This section describes this facility.

.pp

To use the folder facility, you must tell

.i Mail

where you wish to keep your folders. Each folder of messages
will

be a single file. For convenience, all of your folders are kept in
a single directory of your choosing. To tell

.i Mail

where your folder directory is, put a line of the form

.(l

set folder=letters

.)l

in your

.i .mailrc

file. If, as in the example above, your folder directory does not
begin with a `/'

.i Mail

will assume that your folder directory is to be found starting from
your home directory. Thus, if your home directory is

.b /home/person

the above example told

.i Mail

to find your folder directory in

.b /home/person/letters .

.pp

Anywhere a file name is expected, you can use a folder name, preceded
with `+'. For example, to put a message into a folder with the

.b save

command, you can use:

.(l

save +classwork

.)l

to save the current message in the

.i classwork

folder. If the

.i classwork

folder does not yet exist, it will be created. Note that messages

which are saved with the

.b save

command are automatically removed from your system mailbox.

.pp

In order to make a

copy of a message in a folder without causing

that message to be removed from your system mailbox, use the

.b copy

command, which is identical in all other respects to the

.b save

command. For example,

.(l

copy +classwork

.)l

copies the current message into the

.i classwork

folder and leaves a copy in your system mailbox.

.pp

The

.b folder

command

can be used to direct

.i Mail

to the contents of a different folder.

For example,

.(l

folder +classwork

.)l

directs

.i Mail

to read the contents of the

.i classwork

folder. All of the commands that you can use on your system

mailbox are also applicable to folders, including

.b type ,

.b delete ,

and

.b reply .

To inquire which folder you are currently editing, use simply:

.(l

folder

.)l

.pp

To list your current set of folders, use the

.b folders

command.

.pp

To start

```

.i Mail
reading one of your folders, you can use the
.b \-f
option described in section 2. For example:
.(l
% Mail \-f +classwork
.)l
will cause
.i Mail
to read your
.i classwork
folder
without looking at your system mailbox.
.\" $OpenBSD: mail7.nr,v 1.3 2003/06/03 02:56:11 millert Exp $
.\"
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.\"
.\" @(#)mail7.nr 8.1 (Berkeley) 6/8/93
.\"
.sh 1 "Format of messages"
.pp
This section describes the format of messages.

```

Messages begin with a

.i from

line, which consists of the word

.q From

followed by a user name, followed by anything, followed by

a date in the format returned by the

.i ctime

library routine described

in section 3 of the Unix Programmer's

Manual. A possible

.i ctime

format date is:

.(l

Tue Dec 1 10:58:23 1981

.)l

The

.i ctime

date may be optionally followed by a single space and a

time zone indication, which

should be three capital letters, such as PDT.

.pp

Following the

.i from

line are zero or more

.i "header field"

lines.

Each header field line is of the form:

.(l

name: information

.)l

.i Name

can be anything, but only certain header fields are recognized as

having any meaning. The recognized header fields are:

.i article-id ,

.i bcc ,

.i cc ,

.i from ,

.i reply-to ,

.i sender ,

.i subject ,

and

.i to .

Other header fields are also significant to other systems; see,

for example, the current Arpanet message standard for much more

information on this topic.

A header field can be continued onto following lines by making the

first character on the following line a space or tab character.

.pp

If any headers are present, they must be followed by a blank line.

The part that follows

is called the

.i body

of the message, and must be ASCII text, not containing null characters.

Each line in the message body must be no longer than 512 characters and terminated with an ASCII newline character.

If binary data must be passed through the mail system, it is suggested that this data be encoded in a system which encodes six bits into a printable character (i.e.: uuencode).

For example, one could use the upper and lower case letters, the digits, and the characters comma and period to make up the 64 characters.

Then, one can send a 16-bit binary number

as three characters. These characters should be packed into lines, preferably lines about 70 characters long as long lines are transmitted more efficiently.

.pp

The message delivery system always adds a blank line to the end of each message. This blank line must not be deleted.

.pp

The UUCP message delivery system sometimes adds a blank line to the end of a message each time it is forwarded through a machine.

.pp

It should

be noted that some network transport protocols enforce limits to the lengths of messages.

The following ~ escapes are defined:

~b name ... Add names to "blind" Cc: list.

~c name ... Add names to Cc: field.

~d Read dead.letter into message.

~e Invoke text editor on partial message.

~F messages Same as ~f, but includes all headers.

~f messages Read in messages.

~h Edit the header fields.

~M messages Same as ~m, but includes all headers.

~m messages Read in messages, right shifted by a tab.

~p Print (show) the message buffer.

~q Abort message; optionally save copy to ~/dead.letter.

~r file | ~< file Read a file into the message buffer.

~s string Set Subject: field to string.

~t name ... Add names to To: field.

~v Invoke display editor on message.

~w filename Write message to file.

~x Abort message; no copy is saved.

~? Print a brief summary of tilde escapes.

~!command Execute shell command.

~|command Pipe message through command.

~:command | ~_command Execute a Mail command.

~~string Quote

a single tilde.

~. Simulate end of file on input.

.\" \$OpenBSD: mail1.nr,v 1.4 2004/06/04 00:04:54 jmc Exp \$

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.\" @(#)mail1.nr 8.1 (Berkeley) 6/8/93

.\"

.sh 1 Introduction

.pp

.i Mail

provides a simple and friendly environment for sending and receiving mail.

It divides incoming mail into

its constituent messages and allows the user to deal with them

in any order. In addition, it provides a set of

.i ed -\c

like commands for manipulating

messages and sending mail.

.i Mail

offers the user simple editing capabilities to ease the composition of outgoing messages, as well as providing the ability to define and send to names which address groups of users. Finally,

.i Mail

is able to send and receive messages across such networks as the ARPANET, UUCP, and Berkeley network.

.pp

This document describes how to use the

.i Mail

program to send and receive messages. The reader is not assumed to be familiar with other message handling systems, but should be familiar with the \s-2UNIX\s0**

.(f

** \s-1UNIX\s0 is a trademark of Bell Laboratories.

).f

shell, the text editor, and some of the common \s-2UNIX\s0 commands.

.q "The \s-2UNIX\s0 Programmer's Manual,"

.q "An Introduction to Csh,"

and

.q "Text Editing with Ex and Vi"

can be consulted for more information on these topics.

.pp

A word of explanation is in order here concerning the name

.i Mail :

the original UNIX mail program was known as

.i /bin/mail .

The BSD mail

program was called

.i Mail

to differentiate it from the older mail program.

.i /bin/mail

is not included in OpenBSD so there is no ambiguity and the BSD mail program is installed as

.i /usr/bin/mail ;

.i /usr/bin/Mail

is simply a link for backwards compatibility.

To further confuse the issue, a second link was retained for compatibility with SystemV systems,

.i mailx .

In this document, we use the original name, `Mail',

to refer to any of these.

.pp

Here is how messages are handled:

the mail system accepts incoming

.i messages

for you from other people

and collects them in a file, called your

.i "system mailbox" .

When you log in, the system notifies you if there are any messages waiting in your system mailbox. If you are a .i csh user, you will be notified when new mail arrives if you inform the shell of the location of your mailbox. On OpenBSD, your system mailbox is located in the directory /var/mail in a file with your login name. If your login name is .q sam, then you can make .i csh notify you of new mail by including the following line in your .cshrc file:

```
.(l
set mail=/var/mail/sam
.)l
```

When you read your mail using

```
.i Mail ,
```

it reads your system mailbox and separates that file into the individual messages that have been sent to you. You can then read, reply to, delete, or save these messages.

Each message is marked with its author and the date they sent it.

```
.\" $OpenBSD: mail2.nr,v 1.5 2004/06/04 00:04:54 jmc Exp $
```

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.\"
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.\" @(#)mail2.nr 8.2 (Berkeley) 5/16/94

.\"

.sh 1 "Common usage"

.pp

The

.i Mail

command has two distinct usages, according to whether one
wants to send or receive mail. Sending mail is simple: to send a
message to a user whose login name is, say,

\"(lqroot,\"(rq

use the shell

command:

.(l

% Mail root

.)l

then type your

message. When you reach the end of the message, type
an EOT (Control-D) at the beginning of a line, which will cause

.i Mail

to echo \"(lqEOT\"(rq and return you to the Shell. When the user you sent mail
to next logs in, he will receive the message:

.(l

You have mail.

.)l

to alert him to the existence of your message.

.pp

If, while you are composing the message
you decide that you do not wish to send it after all, you can
abort the letter with a <Control-C>. Typing a single <Control-C>
causes

.i Mail

to print

.(l

(Interrupt -- one more to kill letter)

.)l

Typing a second

<Control-C> causes

.i Mail

to save your partial letter on the file

.q dead.letter

in your home directory and abort the letter.

Once you have

sent mail to someone, there is no way to undo the act, so be
careful.

.pp

The message your recipient reads will consist of the message you typed, preceded by a line telling who sent the message (your login name) and the date and time it was sent.

.pp

If you want to send the same message to several other people, you can list their login names on the command line.

Thus,

.(l

% Mail sam bob john

Tuition fees are due next Friday. Don't forget!!

<Control-D>

EOT

%

).l

will send the reminder to sam, bob, and john.

.pp

If, when you log in, you see the message,

.(l

You have mail.

).l

you can read the mail by typing simply:

.(l

% Mail

).l

.i Mail

will respond by typing its version number and date and then listing the messages you have waiting. Then it will type a prompt and await your command. The messages are assigned numbers starting with 1 *- you refer to the messages with these numbers.

.i Mail

keeps track of which messages are

.i new

(have been sent since you last read your mail) and

.i read

(have been read by you). New messages have an

.b N

next to them in the header listing and old, but unread messages have

a

.b U

next to them.

.i Mail

keeps track of new/old and read/unread messages by putting a header field called

.q Status

into your messages.

.pp

To look

at a specific message, use the

.b type

command, which may be abbreviated to simply

.b t .

For example, if you had the following messages:

.(l

N 1 root Wed Sep 21 09:21 "Tuition fees"

N 2 sam Tue Sep 20 22:55

).l

you could examine the first message by giving the command:

.(l

type 1

).l

which might cause

.i Mail

to respond with, for example:

.(l

Message 1:

From root Wed Sep 21 09:21:45 1978

Subject: Tuition fees

Status: R

Tuition fees are due next Wednesday. Don't forget!!

).l

Many

.i Mail

commands that operate on messages take a message number as an argument like the

.b type

command. For these commands, there is a notion of a current message. When you enter the

.i Mail

program, the current message is initially the first one. Thus, you can often omit the message number and use, for example,

.(l

t

).l

to type the current message. As a further shorthand, you can type a message by simply giving its message number. Hence,

.(l

1

).l

would type the first message.

.pp

Frequently,

it is useful to read the messages in your mailbox in order,
one after another. You can read the next message in

.i Mail

by simply typing a newline. As a special case, you can type a newline
as your first command to

.i Mail

to type the first message.

.pp

If, after reading a message, you wish to immediately send a reply,
you can do so with the

.b reply

command.

.b Reply ,

like

.b type ,

takes a message number as an argument.

.i Mail

then begins a message addressed to the user who sent you the message.

You may then type in your letter in reply, followed by a <Control-D>
at the beginning of a line, as before.

.i Mail

will type EOT, then type the ampersand prompt to indicate its readiness
to accept another command. In our example, if, after typing the
first message, you wished to reply to it, you might give the command:

.(l

reply

).l

.i Mail

responds by typing:

.(l

To: root

Subject: Re: Tuition fees

).l

and waiting for you to enter your letter.

You are now in the message collection

mode described at the beginning

of this section and

.i Mail

will gather up your message up to a <Control-D>.

Note that it copies the subject

header from the original message. This is useful in that correspondence

about a particular matter will tend to retain the same subject heading,

making it easy to recognize. If there are other header fields in

the message, the information found will also be used.

For example, if the letter had a

.q "To:"

header listing several recipients,

.i Mail

would arrange to send your reply to the same people as well.

Similarly, if the original message contained a

.q "Cc:"

(carbon copies to) field,

.i Mail

would send your reply to

.i those

users, too.

.i Mail

is careful, though, not too send the message to

.i you ,

even if you appear in the

.q "To:"

or

.q "Cc:"

field, unless you ask to be included explicitly. See section 4 for more details.

.pp

After typing in your letter, the dialog with

.i Mail

might look like the following:

.(l

reply

To: root

Subject:

Tuition fees

Thanks for the reminder

EOT

&

.)l

.pp

The

.b reply

command is especially useful for sustaining extended conversations over the message system, with other

.q listening

users receiving copies of the conversation. The

.b reply

command can be abbreviated to

.b r .

.pp

Sometimes you will receive a message that has been sent to several people and wish to reply

.i only

to the person who sent it.

.b Reply

with a capital

.b R

replies to a message, but sends a copy to the sender only.

.pp

If you wish, while reading your mail, to send a message to someone, but not as a reply to one of your messages, you can send the message directly with the

.b mail

command, which takes as arguments the names of the recipients you wish to send to. For example, to send a message to

.q frank,

you would do:

.(l

mail frank

This is to confirm our meeting next Friday at 4.

EOT

&

.)l

The

.b mail

command can be abbreviated to

.b m .

.pp

Normally, each message you receive is saved in the file

.i mbox

in

your login directory at the time you leave

.i Mail .

Often,

however, you will not want to save a particular message you have received because it is only of passing interest. To avoid saving a message in

.i mbox

you can delete it using the

.b delete

command. In our example,

.(l

delete 1

.)l

will prevent

.i Mail

from saving message 1 (from root) in

.i mbox .

In addition to not saving deleted messages,

.i Mail

will not let

you type them, either. The effect is to make the message disappear altogether, along with its number. The

.b delete

command can be abbreviated to simply

.b d .

.pp

Many features of

.i Mail

can be tailored to your liking with the

.b set

command. The

.b set

command has two forms, depending on whether you are setting

a

.i binary

option or a

.i valued

option.

Binary options are either on or off. For example, the

.q ask

option informs

.i Mail

that each time you send a message, you want it to prompt you for

a subject header, to be included in the message.

To set the

.q

ask

option, you would type

.(l

set ask

.)l

.pp

Another useful

.i Mail

option is

.q hold.

Unless told otherwise,

.i Mail

moves the messages from your system mailbox to the file

.i mbox

in your home directory when you leave

.i Mail .

If you want

.i Mail

to keep your letters in the system mailbox instead, you can set the

.q hold

option.

.pp

Valued options are values which

.i Mail

uses to adapt to your tastes. For example, the

.q SHELL

option tells

.i Mail

which shell you like to use, and is specified by

.(l

set SHELL=/bin/csh

.)l

for example. Note that no spaces are allowed in

.q "SHELL=/bin/csh."

A complete list of the

.i Mail

options appears in section 5.

.pp

Another important valued option is

.q crt.

If you use a fast video terminal, you will find that when you print long messages, they fly by too quickly for you to read them.

With the

.q crt

option, you can make

.i Mail

print any message larger than a given number of lines by sending it through a paging program. This program is specified

by the

valued option \fBPAGER\fP.

If \fBPAGER\fP is not set, a default paginator is used.

For example, most CRT users with 24-line screens should do:

.(l

set crt=24

.)l

to paginate messages that will not fit on their screens.

In the default state, \fImore\fP (default paginator) prints a screenful of information, then types ``byte XXX", where `XXX' represents the number of bytes paginated.

Type a space to see the next screenful.

.pp

Another adaptation to user needs that

.i Mail

provides is that of

.i aliases .

An alias is simply a name which stands for one or more real user names.

.i Mail

sent to an alias is really sent to the list of real users associated with it. For example, an alias can be defined for the members of a project, so that you can send mail to the whole project by sending mail to just a single name. The

.b alias

command in

```
.i Mail
```

defines an alias. Suppose that the users in a project are named Sam, Sally, Steve, and Susan. To define an alias called

```
.q project
```

for

them, you would use the

```
.i Mail
```

command:

```
.(l
alias project sam sally steve susan
.)l
```

The

```
.b alias
```

command can also be used to provide a convenient name for someone whose user name is inconvenient. For example, if a user named

```
.q "Bob Anderson"
```

had the login name

```
.q anderson,"
```

you might want to use:

```
.(l
alias bob anderson
.)l
```

so that you could send mail to the shorter name,

```
.q bob.
```

```
.pp
```

While the

```
.b alias
```

and

```
.b set
```

commands allow you to customize

```
.i Mail ,
```

they have the drawback that they must be retyped each time you enter

```
.i Mail .
```

To make them more convenient to use,

```
.i Mail
```

always looks for two files when it is invoked. It first reads a system wide file

```
.q /etc/mail.rc,
```

then a user specific file,

```
.q .mailrc,
```

which is found in the user's home directory.

The system wide file

is maintained by the system administrator and contains

```
.b set
```

commands that are applicable to all users of the system.

The

.q .mailrc

file is usually used by each user to set options the way he likes and define individual aliases.

For example, my .mailrc file looks like this:

```
.(l
```

```
set ask nosave SHELL=/bin/csh
```

```
.)l
```

As you can see, it is possible to set many options in the same

```
.b set
```

command. The

```
.q nosave
```

option is described in section 5.

```
.pp
```

Mail aliasing is implemented

at the system-wide level

by the mail delivery

system

```
.i sendmail .
```

These aliases are stored in the file /etc/mail/aliases and are accessible to all users of the system.

The lines in /etc/mail/aliases are of the form:

```
.(l
```

```
alias: name\*<1\*>, name\*<2\*>, name\*<3\*>
```

```
.)l
```

where

```
.i alias
```

is the mailing list name and the

```
.i name\*<i\*>
```

are the members of the list. Long lists can be continued onto the next line by starting the next line with a space or tab. Remember that you must execute the command

```
.i newaliases
```

(as superuser)

after editing /etc/mail/aliases since the delivery system uses an indexed file created by

```
.i newaliases .
```

```
.pp
```

We have seen that

```
.i Mail
```

can be invoked with command line arguments which are people to send

the message to, or with no arguments to read mail.

Specifying the

```
.rb -f
```

flag on the command line causes

.i Mail
to read messages from a file other than your system mailbox.
For example, if you have a collection of messages in
the file
.q letters
you can use
.i Mail
to read them with:
.(l
% Mail -f letters
.)l
You can use all
the
.i Mail
commands described in this document to examine, modify, or delete
messages from your
.q letters
file, which will be rewritten when you leave
.i Mail
with the
.b quit
command described below.
.pp
Since mail that you read is saved in the file
.i mbox
in your home directory by default, you can read
.i mbox
in your home directory by using simply
.(l
% Mail -f
.)l
.pp
Normally, messages that you examine using the
.b type
command are saved in the file
.q mbox
in your home directory if you leave
.i Mail
with the
.b quit
command described below.
If you wish to retain a message in your system mailbox
you can use the
.b preserve
command to tell
.i Mail
to leave

it there.

The

.b preserve

command accepts a list of message numbers, just like

.b type

and may be abbreviated to

.b pre .

.pp

Messages in your system mailbox that you do not examine are normally retained in your system mailbox automatically.

If you wish to have such a message saved in

.i mbox

without reading it, you may use the

.b mbox

command to have them so saved. For example,

.(l

mbox 2

.)l

in our example would cause the second message (from sam)

to be saved in

.i mbox

when the

.b quit

command is executed.

.b Mbox

is also the way to direct messages to your

.i mbox

file if you have set the

.q hold

option described above.

.b Mbox

can be abbreviated to

.b mb .

.pp

When you have perused all the messages of interest, you can leave

.i Mail

with the

.b quit

command, which saves the messages you have typed but not deleted in the file

.i mbox

in your login directory. Deleted messages are discarded irretrievably, and messages left untouched are preserved in your system mailbox so that you

will see them the next time you type:

.(l

% Mail

.)l

The
.b quit
command can be abbreviated to simply
.b q .
.pp
If you wish for some reason to leave
.i Mail
quickly without altering either your system mailbox or
.i mbox ,
you can type the
.b x
command (short for
.b exit),
which will immediately return you to the Shell without changing anything.
.pp
If, instead, you want to execute a Shell command without leaving
.i Mail ,
you
can type the command preceded by an exclamation point, just as in the
text editor. Thus, for instance:
.(l
!date
.)l
will print the current date without leaving
.i Mail .
.pp
Finally, the
.b help
command is available to print out a brief summary of the
.i Mail
commands, using only the single character command abbreviations.
.\" \$OpenBSD: mail9.nr,v 1.8 2009/07/29 18:15:38 martynas Exp \$
.\"
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 .\" SUCH DAMAGE.

.\"

.\" @(#)mail9.nr 8.2 (Berkeley) 5/16/94

.\"

.sh 1 "Summary of commands, options, and escapes"

.pp

This section gives a quick summary of the

.i Mail

commands, binary and valued options, and tilde escapes.

.pp

The following table describes the commands:

.TS

center ;

c ci

lb l.

Command Description

—

+ Same as \fBnext\fP

- Back

up to previous message

? Print brief summary of \fIMail\fP commands

! Single command escape to shell

Print Type message with ignored fields

Reply Reply to author of message only

Respond Same as \fBReply\fP

Type Type message with ignored fields

alias Define an alias as a set of user names

alternates List other names you are known by

chdir Change working directory, home by default

copy Copy a message to a file or folder

delete Delete a list of messages

dp Same as \fBdt\fP

dt Delete current message, type next message

edit Edit a list of messages

else Start of else part of conditional; see \fBif\fP

endif End of conditional statement; see \fBif\fP

exit Leave mail without changing anything

file Interrogate/change current mail file
 folder Same as \fBfile\fP
 folders List the folders in your folder directory
 from List headers of a list of messages
 headers List current window of messages
 help Same as \fB?\fP
 hold Same as \fBpreserve\fP
 if Conditional execution of \fIMail\fP commands
 ignore Set/examine
 list of ignored header fields
 inc Incorporate new messages
 list List valid \fIMail\fP commands
 mail Send mail to specified names
 mbox Arrange to save a list of messages in \fImbox\fP
 more Invoke pager on message list
 next Go to next message and type it
 preserve Arrange to leave list of messages in system mailbox
 print Print messages
 quit Leave \fIMail\fP; update system mailbox, \fImbox\fP as appropriate
 reply Compose a reply to a message
 respond Same as \fBreply\fP
 retain Supersedes \fBignore\fP
 save Append messages, headers included, on a file
 saveignore List of headers to ignore when using the \fBsave\fP command
 saveretain List of headers to retain when using the \fBsave\fP command
 set Set binary or valued options
 shell Invoke an interactive shell
 size Prints out size of message list
 source Read \fIMail\fP commands from a file
 top Print first so many (5 by default) lines of list of messages
 type Same as \fBprint\fP
 unalias Remove alias
 undelete Undelete list of messages
 unread Marks
 list of messages as not been read
 unset Undo the operation of a \fBset\fP
 visual Invoke visual editor on a list of messages
 write Append messages to a file, don't include headers
 xit Same as \fBexit\fP
 z Scroll to next/previous screenful of headers
 .TE
 .(b
 .pp
 The following table describes the options. Each option is
 shown as being either a binary or valued option.
 .TS
 center;
 c ci ci

l ci l.

Option Type Description

—

EDITOR valued Pathname of editor for ~e and \fBedit\fP

LISTER valued Pathname of directory lister

MBOX valued Pathname of the \fImbox\fP file

PAGER valued Pathname of pager for \fBPrint\fP, \fBprint\fP, \fBType\fP and \fBtype\fP

SHELL valued Pathname of shell for \fBshell\fP, ~! and \fB!\fP

VISUAL valued Pathname of screen editor for ~v, \fBvisual\fP

append binary Always append messages to end of \fImbox\fP

ask binary Prompt user for Subject: field when sending

askbcc binary Prompt user for additional BCc's at end of message

askcc binary Prompt user for

additional Cc's at end of message

autoinc binary Automatically incorporate new mail

autoprint binary Print next message after \fBdelete\fP

crt valued Minimum number of lines before using \fBPAGER\fP

debug binary Print out debugging information

dot binary Accept . alone on line to terminate message input

escape valued Escape character to be used instead of \ ~

folder valued Directory to store folders in

hold binary Hold messages in system mailbox by default

ignore binary Ignore <Control-C> while sending mail

ignoreeof binary Don't terminate letters/command input with \fB^D\fP

indentprefix valued String used for indenting messages

keep binary Don't unlink system mailbox when empty

keepsave binary Don't delete \fBsave\fPd messages by default

metoo binary Include sending user in aliases

noheader binary Suppress initial printing of version and headers

nosave binary Don't save partial letter in \fIdead.letter\fP

Replyall binary Reverses the sense of the \fB[Rr]eply\fP commands

quiet binary Suppress

printing of \fIMail\fP version/message numbers

record valued File to save all outgoing mail in

screen valued Size of window of message headers for \fBz\fP, etc.

searchheaders binary Search string for message headers

sendmail valued Choose alternate mail delivery system

toplines valued Number of lines to print in \fBtop\fP

verbose binary Invoke sendmail with the \fB-v\fP flag

.TE

.)b

.(b

.pp

The following table summarizes the tilde escapes available while sending mail.

.TS

center;

c ci ci

l li l.

Escape Arguments Description

—
~b name ... Add names to "blind" Cc: list.
~c name ... Add names to Cc: field.
~d Read \fIdead.letter\fP into message.
~e Invoke text editor on partial message.
~F messages Same as ~f, but includes all headers.
~f messages Read in messages.
~h Edit the header fields.
~M messages Same as ~m, but includes all headers.
~m messages
 Read in messages, right shifted by a tab.
~p Print (show) the message buffer.
~q Abort message; optionally save copy to ~/dead.letter.
~r file | ~< file Read a file into the message buffer.
~s string Set Subject: field to \fIstring\fP.
~t name ... Add names to To: field.
~v Invoke display editor on message.
~w filename Write message to file.
~x Abort message; no copy is saved.
~? Print a brief summary of tilde escapes.
~!command Execute shell command.
~|command Pipe message through \fIcommand\fP.
~:command | ~_command Execute a \fIMail\fP command.
~~string Quote a single tilde.
~. Simulate end of file on input.

.TE

.)b

.(b

.pp

The following table shows the command line flags that

.i Mail

accepts:

.TS

center;

c c

l a.

Flag Description

—
\-b \fIlist\fP Send blind carbon
 copies to \fIlist\fP.
\-c \fIlist\fP Send carbon copies to \fIlist\fP
\-d Turn on debugging
\-f [\fIname\fP] Show messages in \fIname\fP or \fI~/mbox\fP
\-I Force \fIMail\fP to run in interactive mode
\-i Ignore tty interrupt signals
\-N Suppress the initial printing of headers

\-n Inhibit reading of /etc/mail.rc
 \-s \fsubject\fP Use \fsubject\fP as subject in outgoing mail
 \-T \fifile\fP Article-id's of read/deleted messages to \fifile\fP
 \-u \fuser\fP Read \fuser\fP's mail instead of your own
 \-v Invoke sendmail with the \fB\-v\fP flag
 .TE
 .)b
 .lp
 Notes:
 .b \-d
 and
 .b \-T
 are not for human use.
 .\" \$OpenBSD: mail5.nr,v 1.6 2008/11/03 18:20:45 jmc Exp \$
 .\"
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 .\" OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 .\" SUCH DAMAGE.
 .\"
 .\" @(#)mail5.nr 8.2 (Berkeley) 5/16/94
 .\"
 .sh 1 "Additional features"
 .pp
 This section describes some additional commands useful for

reading your mail, setting options, and handling lists of messages.

.sh 2 "Message lists"

.pp

Several

.i Mail

commands accept a list of messages as an argument.

Along with

.b type

and

.b

delete ,

described in section 2,

there is the

.b from

command, which prints the message headers associated with the message list passed to it.

The

.b from

command is particularly useful in conjunction with some of the message list features described below.

.pp

A

.i "message list"

consists of a list of message numbers, ranges, and names, separated by spaces or tabs. Message numbers may be either decimal numbers, which directly specify messages, or one of the special characters

.q "^" ,

.q "." ,

or

.q "\$"

to specify the first relevant, current, or last relevant message, respectively.

.i Relevant

here means, for most commands

.q "not deleted"

and

.q "deleted"

for the

.b undelete

command.

.pp

A range of messages consists of two message numbers (of the form described in the previous paragraph) separated by a dash.

Thus, to print the first four messages, use

.(l

type 1\~4

.)l

and to print all the messages from the current message to the last message, use

```
.(l
```

```
type .\-$
```

```
.)l
```

```
.pp
```

```
A
```

```
.i name
```

```
is
```

a user name. The user names given in the message list are collected together and each message selected by other means is checked to make sure it was sent by one of the named users.

If the message consists entirely of user names, then every message sent by one of those users that is

```
.i relevant
```

(in the sense described earlier)

is selected. Thus, to print every message sent to you by

```
.q root,
```

```
do
```

```
.(l
```

```
type root
```

```
.)l
```

```
.pp
```

As a shorthand notation, you can specify simply

```
.q *
```

to get every

```
.i relevant
```

(same sense)

message. Thus,

```
.(l
```

```
type *
```

```
.)l
```

prints all undeleted messages,

```
.(l
```

```
delete *
```

```
.)l
```

deletes all undeleted messages, and

```
.(l
```

```
undelete *
```

```
.)l
```

undeletes all deleted messages.

```
.pp
```

You can search for the presence of a word in subject lines with

```
.b / .
```

For example, to print the headers of all messages that contain the word

```
.q PASCAL,
```

```
do:
```

```
.(l
from /pascal
.)l
Note that subject searching ignores upper/lower case differences.
.sh 2 "List of commands"
.pp
This section describes all the
.i Mail
commands
available when
receiving mail.
.ip "\fB\-\fP\ \"
The
.rb \-
command goes to the previous message and prints it. The
.rb \-
command may be given a decimal number
.i n
as an argument, in which case the
.i n th
previous message is gone to and printed.
.ip "\fB?\fP\ \"
Prints a brief summary of commands.
.ip "\fB!\fP\ \"
Used to preface a command to be executed by the shell.
.ip "\fBPrint\fP\ \"
Like
.b print ,
but also print out ignored header fields. See also
\fBprint\fP, \fBignore\fP, and \fBretain\fP.
\fBPrint\fP can be abbreviated to \fBP\fP.
.ip "\fBReply\fP or \fBRespond\fP\ \"
Note the capital \fBR\fP in the name.
Frame a reply to one or more messages.
The reply (or replies if you are using this on multiple messages)
will be sent ONLY to the person who sent you the message
(respectively, the set of people who sent the messages you are
replying to).
You can
add people using the \fB~t\fP, \fB~c\fP, and \fB~b\fP
tilde escapes. The subject in your reply is formed by prefacing
the
subject in the original message with
.q "Re:"
unless it already began thus.
If the original message included a
.q "reply-to"
header field, the reply will go
```

.i only
to the recipient named by
.q "reply-to."
You type in your message using the same conventions available to you
through the
.b mail
command.
The
.b Reply
command is especially useful for replying to messages that were sent
to enormous distribution groups when you really just want to
send a message to the originator. Use it often.
\fbReply\fp (and \fbRespond\fp) can be abbreviated to \fBR\fp.
.ip "\fbType\fp\ \"
Identical to the
.b Print
command.
\fbType\fp can be abbreviated to \fBT\fp.
.ip "\fbAlias\fp\ \"
Define a name to stand for a set of other names.
This is used when you want to send messages to a certain
group of people and want to avoid retyping their names.
For example
.(l
alias project john sue willie kathryn
.)l
creates an alias
.i project
which expands to the four people John, Sue, Willie, and Kathryn.
If
no arguments are given, all currently-defined aliases are printed.
If one argument is given, that alias is printed (if it exists).
\fbAlias\fp can be abbreviated to \fBa\fp.
.ip "\fbAlternates\fp\ \"
If you have accounts on several machines, you may find it convenient
to use /etc/mail/aliases on all the machines except one to direct
your mail to a single account.
The
.b alternates
command is used to inform
.i Mail
that each of these other addresses is really
.i you .
.i Alternates
takes a list of user names and remembers that they are all actually you.
When you
.b reply
to messages that were sent to one of these alternate names,

.i Mail

will not bother to send a copy of the message to this other address (which would simply be directed back to you by the alias mechanism).

If

.i alternates

is given no argument, it lists the current set of alternate names.

.b Alternates

is usually used in the .mailrc file.

\fBAlternates\fP can be abbreviated to \fBalt\fP.

.ip "\fBchdir\fP\ \"

The

.b chdir

command

allows you to change your current directory.

.b Chdir

takes a single argument, which is taken to be the pathname of the directory to change to. If no argument is given,

.b chdir

changes to your home directory.

\fBChdir\fP can be abbreviated to \fBc\fP.

.ip "\fBcopy\fP\ \"

The

.b copy

command does the same thing that

.b save

does, except that it does not mark the messages it is used on for deletion when you quit.

\fBCopy\fP can be abbreviated to \fBco\fP.

.ip "\fBdelete\fP\ \"

Deletes a list of messages. Deleted messages can be reclaimed with the

.b undelete

command.

\fBDelete\fP can be abbreviated to \fBd\fP.

.ip "\fBdp\fP or \fBdt\fP\ \"

These

commands delete the current message and print the next message.

They are useful for quickly reading and disposing of mail.

If there is no next message, \fIMail\fP says ``No more messages.''

.ip "\fBedit\fP\ \"

To edit individual messages using the text editor, the

.b edit

command is provided. The

.b edit

command takes a list

of messages as described under the

.b type

command and processes each by writing it into the file

Message\c

.i x

where

.i x

is the message number being edited and executing the text editor on it.

When you have edited the message to your satisfaction, write the message out and quit, upon which

.i Mail

will read the message back and remove the file.

.b Edit

can be abbreviated to

.b e .

.ip "\fBelse\fP\ \"

Marks the end of the then-part of an

.b if

statement and the beginning of the

part to take effect if the condition of the

.b if

statement is false.

.ip "\fBendif\fP\ \"

Marks the end of an

.b if

statement.

.ip "\fBexit\fP or \fBxit\fP\ \"

Leave

.i Mail

without updating the system mailbox or the file you were reading.

Thus, if you accidentally delete several messages, you can use

.b exit

to avoid scrambling your mailbox.

\fBExit\fP can be abbreviated to \fBex\fP or \fBx\fP.

.ip "\fBfile\fP\ \"

The same as

.b folder .

\fBFile\fP can be abbreviated to \fBfi\fP.

.ip "\fBfolders\fP\ \"

List

the names of the folders in your folder directory.

.ip "\fBfolder\fP\ \"

The

.b folder

command switches to a new mail file or folder. With no arguments, it tells you which file you are currently reading. If you give it an argument, it will write out changes (such as deletions) you have made in the current file and read the new file.

Some special conventions are recognized for the name:

.(b

.TS

center;

c c

l a.

Name Meaning

—

Previous file read

% Your system mailbox

%name \fIName\fP's system mailbox

& Your ~/mbox file

+folder A file in your folder directory

.TE

.)b

\fBFolder\fP can be abbreviated to \fBfo\fP.

.ip "\fBfrom\fP\ \"

The

.b from

command takes a list of messages and prints out the header lines for each one;

hence

.(l

from joe

.)l

is the easy way to display all the message headers from *(lqjoe.*(rq

\fBFrom\fP can be abbreviated to \fBf\fP.

.ip "\fBheaders\fP\ \"

When you start up

.i Mail

to read your mail, it lists the message headers that you have.

These headers

tell you who each message is from, when they were

received, how many lines and characters each message is, and the

.q "Subject:"

header field of each message, if present. In addition,

.i Mail

tags the message header of each message that has been the object

of the

.b preserve

command with a

.q P.

Messages that have been

.b saved

or

.b written

are flagged with a

.q *.

Finally,

.b deleted

messages are not printed at all. If you wish to reprint the current

list of message headers, you can do so with the

.b headers
 command. The
 .b headers
 command (and thus the initial header listing)
 only lists the first so many message headers.
 The number of headers listed depends on the speed of your
 terminal.

.i Mail
 maintains a notion of the current
 .q window
 into your messages for the purposes of printing headers.
 Use the
 .b z
 command to move forward a window,
 and
 .b z-
 to move back a window.
 You can move
 .i Mail's
 notion of the current window directly to a particular message by
 using, for example,
 .(l
 headers
 40
 .)l
 to move
 .i Mail's
 attention to the messages around message 40.
 \fBHeaders\fP can be abbreviated to \fBh\fP.
 .ip "\fBhelp\fP\ " "
 Print a brief and usually out of date help message about the commands
 in
 .i Mail .
 The
 .i man
 page for
 .i mail
 is usually more up-to-date than either the help message or this manual.
 It is also a synonym for \fB?\fP.
 .ip "\fBhold\fP\ " "
 Arrange to hold a list of messages in the system mailbox, instead
 of moving them to the file
 .i mbox
 in your home directory. If you set the binary option
 .i hold ,
 this will happen by default.
 It does not override the \fBdelete\fP command.
 \fBHold\fP can be abbreviated to \fBho\fP.

.ip "\fBif\fP\ \"

Commands in your

.q .mailrc

file can be executed conditionally depending on whether you are sending or receiving mail with the

.b if

command. For example, you can do:

.(l

if receive

\fIcommands\fP...

endif

.)l

An

.b else

form is also available:

.(l

if send

\fIcommands\fP...

else

\fIcommands\fP...

endif

.)l

Note

that the only allowed conditions are

.b receive

and

.b send .

.ip "\fBignore\fP\ \"

.b N.B.:

.i Ignore

has been superseded by

.i retain .

.br

Add the list of header fields named to the

.i "ignore list" .

Header fields in the ignore list are not printed on your terminal when you print a message. This allows you to suppress printing of certain machine-generated header fields, such as

.i Via

which are not usually of interest. The

.b Type

and

.b Print

commands can be used to print a message in its entirety, including ignored fields.

If

.b ignore

is executed with no arguments, it lists the current set of ignored fields.

```
.ip "\fBinc\fP\ \"
```

Incorporate any new messages that have arrived while mail is being read.

The new messages are added to the end of the message list,

and the current message is reset to be the first new mail message.

This does not renumber the existing message list, nor does it cause any changes made so far to be saved.

```
.ip "\fBlist\fP\ \"
```

List the valid

```
.i Mail
```

commands.

```
\fBlist\fP
```

can be abbreviated to `\fB\fp`.

```
.. .ip \fBlocal\fP
```

.. Define a list of local names for this host. This command is useful

.. when the host is known by more than one name. Names in the list

.. may be qualified by the domain of the host. The first name on the local

.. list is the

.. `.i` distinguished

.. name of the host.

.. The names on the local list are used by

.. `.i` Mail

.. to decide which addresses are local to the host.

.. For example:

```
.. .(l
```

```
.. local ucbarpa.BERKELEY.ARPA arpa.BERKELEY.ARPA \
```

```
.. arpavax.BERKELEY.ARPA r.BERKELEY.ARPA \
```

```
.. ucb-arpa.ARPA
```

```
.. .)l
```

.. From this list we see that

```
.. .i "fred@ucbarpa.BERKELEY.ARPA",
```

```
.. .i "harold@arpa.BERKELEY",
```

.. and

```
.. .i "larry@r"
```

.. are all addresses of users on the local host.

.. The

```
.. .b local
```

.. command is usually not used by general users since it is designed for

.. local configuration; it is usually found in the file `/usr/lib/Mail.rc`.

```
.ip "\fBmail\fP\ \"
```

Send mail to one or more people. If you have the

```
.i
```

ask

option set,

```
.i Mail
```

will prompt you for a subject to your message. Then you

can type in your message, using tilde escapes as described in

section 4 to edit, print, or modify your message. To signal your

satisfaction with the message and send it, type `<Control-D>` at the

beginning of a line, or a . alone on a line if you set the option

.i dot .

To abort the message, type two interrupt characters (Control-C by default) in a row or use the

.b ~q

or

.b ~x

escapes.

The \fBmail\fP command can be abbreviated to \fBm\fP.

.ip "\fBmbox\fP\ \"

Indicate that a list of messages be sent to

.i mbox

in your home directory when you quit. This is the default action for messages if you do

.i not

have the

.i hold

option set.

.ip "\fBmore\fP\ \"

Takes a message list and invokes the pager on that list.

.ip "\fBnext\fP or \fB+\fP\ \"

The

.b next

command goes to the next message and types it. If given a message list,

.b next

goes to the first such message and types it. Thus,

.(l

next root

.)l

goes

to the next message sent by

.q root

and types it. The

.b next

command can be abbreviated to simply a newline, which means that one can go to and type a message by simply giving its message number or one of the magic characters

.q "^"

.q "."

or

.q "\$".

Thus,

.(l

\&.

.)l

prints the current message and

.(l

4

.)l

prints message 4, as described previously.

\fBNext\fP can be abbreviated to \fBn\fP.

.ip "\fBpreserve\fP\ \"

Same as

.b hold .

Cause a list of messages to be held in your system mailbox when you quit.

\fBPreserve\fP can be abbreviated to \fBpre\fP.

.ip "\fBprint\fP\ \"

Print the specified messages. If the

.b crt

variable is set, messages longer than the number of lines it indicates are paged through the command specified by the \fBPAGER\fP variable.

The \fBprint\fP command can be abbreviated to \fBp\fP.

.ip "\fBquit\fP\ \"

Terminates the session, saving all undeleted, unsaved and unwritten messages in the user's \fImbox\fP file in their login directory

(messages marked as having

been read), preserving all

messages marked with \fBhold\fP or \fBpreserve\fP or never referenced in their system mailbox.

Any messages that were deleted, saved, written, or saved to \fImbox\fP are removed from their system mailbox.

If new mail has arrived during the session, the message

``You have new mail" is given. If given while editing a mailbox file with the \fB\~\fP flag, then the edit file is rewritten.

A return to the Shell is effected, unless the rewrite of edit file fails, in which case the user can escape with the \fBexit\fP command.

\fBQuit\fP can be abbreviated to \fBq\fP.

.ip "\fBreply\fP or \fBrespond\fP\ \"

Frame a reply to a single message.

The reply will be sent to the

person who sent you the message (to which you are replying), plus all

the people who received the original message, except you. You can

add people using the \fB~t\fP, \fB~c\fP, and \fB~b\fP

tilde escapes. The subject in your reply is formed by prefacing the subject in the original message with

.q

"Re:"

unless it already began thus.

If the original message included a

.q "reply-to"

header field, the reply will go

.i only

to the recipient named by

.q "reply-to."

You type in your message using the same conventions available to you through the

.b mail

command.

The \fBreply\fP (and \fBrespond\fP) command can be abbreviated to \fBr\fP.

.ip "\fBretain\fP\ \"

Add the list of header fields named to the \fIretained list\fP.

Only the header fields in the retain list

are shown on your terminal when you print a message.

All other header fields are suppressed.

The

.b Type

and

.b Print

commands can be used to print a message in its entirety.

If

.b retain

is executed with no arguments, it lists the current set of retained fields.

.ip "\fBsave\fP\ \"

It is often useful to be able to save messages on related topics in a file. The

.b save

command gives you the ability to do this. The

.b save

command takes as an argument a list of message numbers, followed by the name of the file in which to

save the messages. The messages

are appended to the named file, thus allowing one to keep several messages in the file, stored in the order they were put there.

The filename in quotes, followed by the line

count and character count is echoed on the user's terminal.

An example of the

.b save

command relative to our running example is:

.(l

s 1 2 tuitionmail

.)l

.b Saved

messages are not automatically saved in

.i mbox

at quit time, nor are they selected by the

.b next

command described above, unless explicitly specified.

\fBsave\fP can be abbreviated to \fBs\fP.

.ip "\fBsaveignore\fP\ \"

\fBsaveignore\fP is to \fBsave\fP what \fBignore\fP is to \fBprint\fP and \fBtype\fP.

Header fields thus marked are filtered out when saving a message

by \fBsave\fP or when automatically saving to \fImbox\fP.

.ip "\fBsaveretain\fP\ \"

\fBsaveretain\fP is to \fBsave\fP what \fBretain\fP is to \fBprint\fP and \fBtype\fP.

Header fields thus marked are the only ones saved with a message when saving by \fBsave\fP

or when automatically saving to \fBmailbox\fP.

\fBsaveretain\fP overrides \fBsaveignore\fP.

.ip "\fBset\fP\ \"

Set an option or give an option a value. Used to customize

.i Mail .

Section 5.3 contains a list of the options. Options can be

.i binary ,

in which case they are

.i on

or

.i off ,

or

.i valued .

To set a binary option

.i option

.i on ,

do

.(l

set option

.)l

To give the valued option

.i option

the value

.i value ,

do

.(l

set option=value

.)l

There must be no space before or after the ``=" sign.

If no arguments are given, all variable values are printed.

Several options can be specified in a single

.b set

command.

\fBSet\fP can be abbreviated to \fBse\fP.

.ip "\fBshell\fP\ \"

The

.b shell

command allows you to

escape to the shell.

.b Shell

invokes an interactive shell and allows you to type commands to it.

When you leave the shell, you will return to

.i Mail .

The shell used is a default assumed by

.i Mail ;

you can override this default by setting the valued option

.q

SHELL,

eg:

.(l

set SHELL=/bin/csh

.)l

\fBShell\fP can be abbreviated to \fBsh\fP.

.ip "\fBsize\fP \ \"

Takes a message list and prints out the size in characters of each message.

.ip "\fBsource\fP \ \"

The

.b source

command reads

.i mail

commands from a file. It is useful when you are trying to fix your

.q .mailrc

file and you need to re-read it.

\fBSource\fP can be abbreviated to \fBso\fP.

.ip "\fBtop\fP \ \"

The

.b top

command takes a message list and prints the first five lines of each addressed message.

If you wish, you can change the number of lines that

.b top

prints out by setting the valued option

.q "toplines."

On a CRT terminal,

.(l

set topline=10

.)l

might be preferred.

\fBTop\fP can be abbreviated to \fBto\fP.

.ip "\fBtype\fP \ \"

Same as \fBprint\fP.

Takes a message list and types out each message on the terminal.

The \fBtype\fP command can be abbreviated to \fBt\fP.

.ip "\fBunalias\fP \ \"

Takes a list of names defined by \fBalias\fP commands and discards the remembered groups of users.

The group names no longer have any significance.

.ip "\fBundelete\fP \ \"

Takes a message list and marks each message as \fInot\fP

being deleted.

\fBUndelete\fP can be abbreviated to \fBu\fP.

.ip "\fBunread\fP\ \"

Takes a message list and marks each message as

.i not

having been read.

\fBUnread\fP can be abbreviated to \fBU\fP.

.ip "\fBunset\fP\ \"

Takes a list of option names and discards their remembered values;
the inverse of \fBset\fP.

.ip "\fBvisual\fP\ \"

It is often useful to be able to invoke one of two editors,
based on the type of terminal one is using. To invoke
a display oriented editor, you can use the

.b visual

command. The operation of the

.b visual

command is otherwise identical to that of the

.b edit

command.

.ne 2v+\n(psu

.sp \n(psu

Both the

.b edit

and

.b visual

commands assume some default text editors.

The default for

.q EDITOR

is

.i /usr/bin/ex .

The default for

.q VISUAL

is

.i /usr/bin/vi .

These default editors can be overridden by the
valued options

.q EDITOR

and

.q VISUAL

for the standard and screen editors. You might want to do:

.(l

set EDITOR=/bin/ed VISUAL=/usr/bin/mg

.)l

\fBVisual\fP can be abbreviated to \fBv\fP.

.ip "\fBwrite\fP\ \"

The

.b save

command always writes the entire message, including the headers, into the file. If you want to write just the message itself, you can use the

`.b write`

command. The

`.b write`

command has the same syntax as the

`.b save`

command, and can be abbreviated to simply

`.b w .`

Thus, we could write the second message by doing:

`.(l`

`w 2 file.c`

`.)l`

As suggested by this example, the

`.b write`

command is useful for such tasks as sending and receiving source program text over the message system.

The filename in quotes, followed by additional file information, is echoed on the user's terminal.

`.ip "\fBz\fp\ \"`

`.i Mail`

presents message headers in windowfuls as described under the

`.b headers`

command.

You can move

`.i Mail's`

attention forward to the next window by giving the

`.(l`

`z+`

`.)l`

command.

Analogously, you can move to the previous window with:

`.(l`

`z\-`

`.)l`

`.sh 2 "Custom options"`

`.pp`

Throughout this manual, we have seen examples of binary and valued options.

This section describes each of the options in alphabetical order, including some that you have not seen yet.

To avoid confusion, please note that the options are either all lower case letters or all upper case letters. When I start a sentence such as:

`.q "Ask"`

causes

`.i Mail`

to prompt you for a subject header,
I am only capitalizing
.q ask
as a courtesy to English.
.ip "\fBEDITOR\fP\ \"
The valued option
.q EDITOR
defines the pathname of the text editor to be used in the
.b edit
command and ~e escape.
If not defined,
.i /usr/bin/ex
is used.
.ip "\fBLISTER\fP\ \"
Pathname of the directory lister to use in the \fBfolders\fP command.
Default is \fI/bin/ls\fP.
.ip "\fBMBOX\fP\ \"
The name of the \fImbox\fP file.
It can be the name of a folder.
The default is ``mbox" in the user's home directory.
.ip "\fBPAGER\fP\ \"
Pathname of the program to use for paginating output when
it exceeds \fIcrt\fP lines.
A default paginator is used if this option is not defined.
.ip "\fBSHELL\fP\ \"
The valued option
.q SHELL
gives the path name of your shell. This shell is used for the
.b !
command and ~! escape. In addition, this shell expands
file names with shell metacharacters like * and ? in them.
.ip "\fBVISUAL\fP\ \"
The valued option
.q VISUAL
defines the pathname of the screen editor to be used in the
.b visual
command
and ~v escape.
If not defined,
.i /usr/bin/vi
is used.
.ip "\fBappend\fP\ \"
The
.q append
option is binary and
causes messages saved in
.i mbox

to be appended to the end rather than prepended.

Normally, \fIMail\fP will put messages in \fImbox\fP

in the same order that the system puts messages in your system mailbox.

By setting

.q append,

you are requesting that

.i mbox

be appended to regardless. It is in any event quicker to append.

.ip "\fBask\fP\ \"

.q "Ask"

is a binary option

which

causes

.i Mail

to prompt you for the subject of each message you send.

If you respond with simply a newline, no subject field will be sent.

.ip "\fBaskbcc\fP\ \"

.q Askbcc

is a binary option which

causes you to be prompted for additional blind carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.

.ip "\fBaskcc\fP\ \"

.q Askcc

is a binary option which

causes you to be prompted for additional carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.

.ip "\fBautoinc\fP\ \"

Causes new mail to be automatically incorporated when it arrives.

Setting this is similar to issuing the \fBinc\fP command at each prompt, except that the current message is not reset when new mail arrives.

.ip "\fBautoprint\fP\ \"

.q Autoprint

is a binary option which

causes the

.b delete

command to behave like

.b dp

*- thus, after deleting a message, the next one will be typed

automatically. This is useful when quickly scanning and deleting messages in your mailbox.

.ip "\fBcrt\fP\ \"

The valued option

.I crt

is used as a threshold to determine how long a message must be before

.b PAGER

is used to read it.

.ip "\fBdebug\fP \ \"

The binary option

.q debug

causes debugging information to be displayed. Use of this option is the same as using the \fB\-d\fP command line flag.

.ip "\fBdot\fP \ \"

.q Dot

is a binary option which, if set, causes

.i Mail

to interpret a period alone on a line as the terminator of the message you are sending.

.ip "\fBescape\fP \ \"

To allow you to change the escape character used when sending mail, you can set the valued option

.q escape.

Only the first character of the

.q escape

option is used, and it must be doubled if it is to appear as the first character of a line of your message. If you change your escape character, then ~ loses all its special meaning, and need no longer be doubled at the beginning of a line.

.ip "\fBfolder\fP \ \"

\ "

The name of the directory to use for storing folders of messages.

If this name begins with a `/'

.i Mail

considers it to be an absolute pathname; otherwise, the folder directory is found relative to your home directory.

.ip "\fBhold\fP \ \"

The binary option

.q hold

causes messages that have been read but not manually dealt with to be held in the system mailbox. This prevents such messages from being automatically swept into your \fImbox\fP file.

.ip "\fBignore\fP \ \"

The binary option

.q ignore

causes <Control-C> characters from your terminal to be ignored and echoed as @'s while you are sending mail. <Control-C> characters retain their original meaning in

.i Mail

command mode.

Setting the

.q ignore

option is equivalent to supplying the

.b \-i

flag on the command line as described in section 6.

`.ip "\fBignoreeof\fP\ \"`

An option related to

`.q dot`

is

`.q ignoreeof ,`

which makes

`.i Mail`

refuse to accept a <Control-D> as the end of a message.

`.q Ignoreeof`

also applies to

`.i`

Mail

command mode.

`.ip "\fBindentprefix\fP\ \"`

String used by the `\fB~m\fP` tilde escape for indenting messages,

in place of the normal tab character (`^I`).

Be sure to quote the value if it contains spaces or tabs.

`.ip "\fBkeep\fP\ \"`

The

`.q keep`

option causes

`.i Mail`

to truncate your system mailbox instead of deleting it when it is empty. This is useful if you elect to protect your mailbox, which you would do with the shell command:

`.(l`

`chmod 600 /var/mail/yourname`

`.)l`

where

`.i yourname`

is your login name. If you do not do this, anyone can probably read your mail, although people usually don't.

`.ip "\fBkeepsave\fP\ \"`

When you

`.b save`

a message,

`.i Mail`

usually discards it when you

`.b quit .`

To retain all saved messages, set the

`.q keepsave`

option.

`.ip "\fBmetoo\fP\ \"`

When sending mail to an alias,

`.i Mail`

makes sure that if you are included in the alias, that mail will not be sent to you. This is useful if a single alias is being used by

all members of the group. If however,
you wish to receive a copy of
all the messages you send to the alias, you can set the binary option
.q metoo.
.ip "\fBnoheader\fP\ \"

The binary option
.q noheader
suppresses the printing of the version and headers when
.i Mail
is first invoked. Setting this option is the same as using
.b \-N
on the command line.
.ip "\fBnosave\fP\ \"

Normally,
when you abort a message with two <Control-C>'s,
.i Mail
copies the partial letter to the file
.q dead.letter
in your home directory. Setting the binary option
.q nosave
prevents this.
.ip "\fBReplyall\fP\ \"

Reverses the sense of
.i reply
and
.i Reply
commands.
.ip "\fBquiet\fP\ \"

The binary option
.q quiet
suppresses the printing of the version when
.i Mail
is first invoked,
as well as printing the for example
.q "Message 4:"
from the
.b type
command.
.ip "\fBrecord\fP\ \"

If you love to keep records, then the
valued option
.q record
can be set to the name of a file to save your outgoing mail.
Each new message you send is appended
to the end of the file.
.ip "\fBscreen\fP\ \"

When
.i Mail

initially prints the message headers, it determines the number to print by looking at the speed of your terminal. The faster your terminal, the more it prints.

The valued option

`.q screen`

overrides this calculation and

specifies how many message headers you want printed.

This number is also used for scrolling with the

`.b z`

command.

`.ip "\fBsearchheaders\fP\ \"`

If this option is set, then a message-list specifier in the form

```x:y"` will expand to all messages containing the substring

``y'` in the header field ``x'`.

The string search is case insensitive.

If ``x'` is omitted, it will default to the ```Subject"` header field.

The form ```to:y"` is a special case, and will expand

to all messages containing the substring ``y'` in the ```To"`, ```Cc"`,

or ```Bcc"` header fields.

The check for ```to"` is case sensitive, so that ```To:y"`

can be used to limit the search for ``y'` to just the ```To:"` field.

`.ip "\fBsendmail\fP\ \"`

To use an alternate

mail delivery system, set the

`.q sendmail`

option to the full pathname of the program to use. Note: this is not for everyone! Most people should use the default delivery system.

`.ip "\fBtoplines\fP\ \"`

The valued option

`.q topline`

defines the number of lines that the

`.q top`

command will print out instead of the default five lines.

`.ip "\fBverbose\fP\ \"`

The binary option "verbose" causes

`.i Mail`

to invoke sendmail with the

`.b \-v`

flag, which causes it to go into verbose mode and announce expansion of aliases, etc. Setting the "verbose" option is equivalent to invoking

`.i Mail`

with the

`.b \-v`

flag as described in section 6.

`.\" $OpenBSD: maila.nr,v 1.3 2003/06/03 02:56:11 millert Exp $`

`.\"`

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.\"  
.\" @(#)maila.nr 8.1 (Berkeley) 6/8/93  
.\"  
.\" \$OpenBSD: mail4.nr,v 1.6 2008/11/03 18:20:45 jmc Exp \$  
.\"  
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." SUCH DAMAGE.

."

." @(#)mail4.nr 8.2 (Berkeley) 5/16/94

."

.sh 1 "More about sending mail"

.sh 2 "Tilde escapes"

.pp

While typing in a message to be sent to others, it is often  
useful to be able to invoke the text editor on the partial message,  
print the message, execute a shell command, or do some other  
auxiliary function.

.i Mail

provides

these capabilities through

.i "tilde escapes" ,

which consist of a tilde (~) at the beginning of a line, followed by  
a single character which indicates the function to be performed. For  
example, to print the text of the message so far, use:

.(l

~p

).l

which will print a line of dashes, the recipients of your message, and  
the text of the message so far.

Since

.i Mail

requires two consecutive <Control-C>'s to abort a letter, you  
can use a single <Control-C> to abort the output of ~p or any other  
~ escape without killing your letter.

.pp

If you are dissatisfied with the message as  
it stands, you can invoke the text editor on it using the escape

.(l

~e

).l

which causes the message to be copied into a temporary file and an  
instance of the editor to be spawned. After modifying the message to  
your satisfaction, write it out and quit the editor.

.i Mail

will respond

by typing

```
.(l
```

(continue)

```
.)l
```

after which you may continue typing text which will be appended to your message, or type <Control-D>

to end the message.

A standard text editor is provided by

```
.i Mail .
```

You can override this default by setting the valued option

```
.q EDITOR
```

to something else. For example, you might prefer:

```
.(l
```

```
set EDITOR=/bin/ed
```

```
.)l
```

```
.pp
```

Many systems offer a screen editor as an alternative to the standard text editor, such as the

```
.i vi
```

editor from UC Berkeley,

or

```
.i mg ,
```

an emacs-like editor.

To use the screen, or

```
.i visual
```

editor, on your current message, you can use the escape,

```
.(l
```

```
~v
```

```
.)l
```

~v works like ~e, except that the screen editor is invoked instead.

A default screen editor is defined by

```
.i Mail .
```

If it does not suit you, you can set the valued option

```
.q VISUAL
```

to the path name of a different editor.

```
.pp
```

It is often useful to be able to include the contents of some file in your message; the escape

```
.(l
```

```
~r filename
```

```
.)l
```

is provided for this purpose, and causes the named file to be appended to your current message.

```
.i Mail
```

complains if the file doesn't exist

or can't be read. If the read is

successful, the number of lines and

characters appended to your message is printed, after which you may continue

appending text. The filename may contain shell metacharacters like \* and ? which are expanded according to the conventions of your shell.

.pp

As a special case of ~r, the escape

.(l

~d

.)l

reads in the file

.q dead.letter

in your home directory. This is often useful since

.i Mail

copies the text

of your message there when you abort a message with <Control-C>.

.pp

To save the current text of your message on a file you may use the

.(l

~w filename

.)l

escape.

.i Mail

will print out the number of lines and characters written

to the file, after which you may continue appending text to your message.

Shell metacharacters may be used in the filename, as in ~r and are expanded with the conventions of your shell.

.pp

If you are sending mail from within

.i Mail's

command mode

you can read a message sent to you into the message

you are constructing with the escape:

.(l

~m 4

.)l

which

will read message 4 into the current message, shifted right by

one tab stop. You can name any non-deleted message, or list of messages.

Messages can also be forwarded without shifting by a tab stop with ~f.

This is the usual way to forward a message.

.pp

If, in the process of composing a message, you decide to add additional people to the list of message recipients, you can do so with the escape

.(l

~t name1 name2 ...

.)l

You may name as few or many additional recipients as you wish. Note

that the users originally on the recipient list will still receive

the message; you cannot remove someone from the recipient

list with ~t.

.pp

If you wish, you can associate a subject with your message by using the escape

.(l

~s Arbitrary string of text

.)l

which replaces any previous subject with

.q "Arbitrary string of text."

The subject, if given, is sent near the top of the message prefixed with

.q "Subject:"

You can see what the message will look like by using ~p.

.pp

For political reasons, one

occasionally prefers to list certain

people as recipients of carbon copies of a message rather than direct recipients. The escape

.(l

~c name1 name2 ...

.)l

adds the named people to the

.q "Cc:"

list, similar to ~t.

Again, you can execute ~p to see what the message will look like.

.pp

The escape

.(l

~b name1 name2 ...

.)l

adds the named people to the

.q "Cc:"

list, but does not make the names visible in the

.q "Cc:"

line ("blind" carbon copy).

.pp

The recipients of the message together constitute the

.q "To:"

field, the subject the

.q "Subject:"

field, and the carbon copies the

.q "Cc:"

field. If you wish to edit these in ways impossible with the ~t, ~s, ~c and ~b escapes, you can use the escape

.(l

~h

.)l

which prints

.q "To:"

followed by the current list of recipients and leaves the cursor (or printhead) at the end of the line. If you type in ordinary characters, they are appended to the end of the current list of recipients. You can also use your erase character to erase back into the list of recipients, or your kill character to erase them altogether. Thus, for example, if your erase and kill characters are the standard (on printing terminals) <Control-H> and <Control-U> keys,

```
.(l
~h
To: root kurt^H^H^H^Hbill
.)l
```

would change the initial recipients

```
.q "root kurt"
to
.q "root bill."
```

When you type a newline,

```
.i Mail
```

advances to the

```
.q "Subject:"
```

field, where the same rules apply. Another newline brings you to the

```
.q "Cc:"
```

field, which may be edited in the same fashion. Another newline brings you to the

```
.q "Bcc:"
```

("blind" carbon copy) field, which follows the same rules as the "Cc:" field. Another newline leaves you appending text to the end of your message. You can use ~p to print the current text of the header fields and the body of the message.

```
.pp
```

To effect a temporary escape to the shell, the escape

```
.(l
~!command
.)l
```

is used, which executes

```
.i command
```

and returns you to mailing mode without altering the text of your message. If you wish, instead, to filter the body of your message through a shell command, then you can use

```
.(l
~|command
.)l
```

which pipes your message through the command and uses the output as the new text of your message. If the command produces no output,

```
.i Mail
```



assumes that something is amiss and retains the old version of your message. A frequently-used filter is the command

```
.i fmt ,
designed to format outgoing mail.
```

```
.pp
```

To effect a temporary escape to

```
.i Mail
command mode instead, you can use the
```

```
.(l
~:\fIMail command\fP
.)l
```

escape. This is especially useful for retyping the message you are replying to, using, for example:

```
.(l
~:t
.)l
```

It is also useful for setting options and modifying aliases.

```
.pp
```

If you wish abort the current message, you can use the escape

```
.(l
~q
.)l
```

This will terminate the current message and return you to the shell (or \fIMail\fP if you were using the \fBmail\fP command).

If the \fBsave\fP option is set, the message will be copied to the file

```
.q dead.letter
in your home directory.
```

```
.pp
```

If

you wish to abort the current message,  
without saving any copy of it whatsoever,  
even if the \fBsave\fP option is set,  
you can use the escape

```
.(l
~x
.)l
```

```
.pp
```

If you wish (for some reason) to send a message that contains a line beginning with a tilde, you must double it. Thus, for example,

```
.(l
~~This line begins with a tilde.
.)l
```

sends the line

```
.(l
~This line begins with a tilde.
.)l
```

```
.pp
```

Finally, the escape

```
.(l
```

```
~?
```

```
.)l
```

prints out a brief summary of the available tilde escapes.

```
.pp
```

On some terminals (particularly ones with no lower case) tilde's are difficult to type.

```
.i Mail
```

allows you to change the escape character with the

```
.q escape
```

option. For example, I set

```
.(l
```

```
set escape=]
```

```
.)l
```

and use a right bracket instead of a tilde. If I ever need to send a line beginning with right bracket, I double it, just as for ~.

Changing the escape character removes the special meaning of ~.

```
.sh 2 "Network access"
```

```
.pp
```

This section describes how to send mail to people on other machines.

Recall that sending

to a plain login name sends mail to that person

on your machine. If your machine is directly (or sometimes, even, indirectly) connected to the Internet, you can send messages to people on the Internet using a name of the form

```
.(l
```

```
name@host.domain
```

```
.)l
```

where

```
.i name
```

is the login name of the person you're trying to reach,

```
.i host
```

is the name of the machine on the Internet,

and

```
.i domain
```

is the higher-level scope within which the hostname is known, e.g. EDU (for educational institutions), COM (for commercial entities), GOV (for governmental agencies), ARPA for many other things, BITNET or CSNET for those networks.

```
.pp
```

If your recipient logs in on a machine connected to yours by

UUCP (the Bell Laboratories supplied network that communicates over telephone lines), sending mail can be a bit more complicated.

You must know the list of machines through which your message must travel to arrive at his site. So, if his machine is directly connected to yours, you can send mail to him using the

syntax:

```
.(l
```

host!name

.)l

where, again,

.i host

is the name of the machine and

.i name

is the login name.

If your message must go through an intermediary machine first, you must use the syntax:

.(l

intermediary!host!name

.)l

and so on. It is actually a feature of UUCP that the map of all the systems in the network is not known anywhere (except where people decide to write it down for convenience). Talk to your system administrator about good ways to get places; the

.i uuname

command will tell you systems whose names are recognized, but not which ones are frequently called or well-connected.

.pp

When you use the

.b reply

command to respond to a letter, there is a problem of figuring out the names of the users in the

.q "To:"

and

.q "Cc:"

lists

.i "relative to the current machine" .

If the original letter was sent to you by someone on the local machine, then this problem does not exist, but if the message came from a remote machine, the problem must be dealt with.

.i Mail

uses a heuristic

to build the correct name for each user relative to the local machine. So, when you

.b reply

to remote mail, the names in the

.q "To:"

and

.q "Cc:"

lists may change somewhat.

.sh 2 "Special recipients"

.pp

As described previously, you can send mail to either user names or

.b alias

names. It is also possible to send messages directly to files or to programs, using special conventions. If a recipient name has a

`/' in it or begins with a `+', it is assumed to be the path name of a file into which to send the message. If the file already exists, the message is appended to the end of the file. If you want to name a file in your current directory (ie, one for which a `/' would not usually be needed) you can precede the name with `./'

So, to send mail to the file

.q memo

in the current directory, you can give the command:

.(l

% Mail ./memo

.)l

If the name begins with a `+', it is expanded into the full path name of the folder name in your folder directory.

This ability to send mail

to files can be used for a variety of purposes, such as maintaining a journal and keeping a record of mail sent to a certain group of users. The second example can be done automatically by including the full pathname of the record file in the

.b alias

command for the group. Using our previous

.b alias

example, you might give the command:

.(l

alias project sam sally steve susan /usr/project/mail\_record

.)l

Then, all mail sent to "project" would be saved on the file

.q /usr/project/mail\_record

as well as being sent to the members of the project. This file can be examined using

.i "Mail \-f" .

.pp

It is sometimes useful to send mail directly to a program, for example one might write a project billboard program and want to access it using

.i Mail .

To send messages to the billboard program, one can send mail to the special name `|billboard' for example.

.i Mail

treats recipient names that begin with a `|' as a program to send the mail to. An

.b alias

can be set up to reference a `|' prefaced name if desired.

.i Caveats :

the shell treats `|' specially, so it must be quoted on the command line. Also, the `| program' must be presented as a single argument to

mail. The safest course is to surround the entire name with double quotes. This also applies to usage in the

.b alias

command. For example, if we wanted to alias `rmmsgs' to `rmmsgs -s' we would need to say:

.(l

alias rmmsgs "| rmmsgs -s"

.)l

.\" \$OpenBSD: mail8.nr,v 1.5 2004/06/04 00:04:54 jmc Exp \$

.\"

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.\"

.\" @(#)mail8.nr 8.2 (Berkeley) 5/16/94

.\"

.sh 1 "Glossary"

.pp

This section contains the definitions of a few phrases

peculiar to

.i Mail .

.ip "\falias\fP"

An alternative name for a person or list of people.

.ip "\fiflag\fP"

An option, given on the command line of

.i Mail ,

prefaced with a \-. For example,

.b \-f

is

a flag.

.ip "\fIheader field\fP"

At the beginning of a message, a line which contains information that is part of the structure of the message. Popular header fields include

.i to ,

.i cc ,

and

.i subject .

.ip "\fIemail\ \fP"

A collection of messages. Often used in the phrase,

.q "Have you read your mail?"

.ip "\fImailbox\fP"

The place where your mail is stored, typically in the directory /var/mail.

.ip "\fImessage\fP"

A single letter from someone, initially stored in your

.i mailbox .

.ip "\fImessage list\fP"

A string used in

.i Mail

command mode to describe a sequence of messages.

.ip "\fIoption\fP"

A piece of special purpose information used to tailor

.i Mail

to your taste.

Options are specified with the

.b set

command.

.\" \$OpenBSD: mail0.nr,v 1.4 2004/06/04 00:04:54 jmc Exp \$

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.\"  
.\" @(#)mail0.nr 8.1 (Berkeley) 6/8/93  
.\"  
.if n {\
.po 5n
.ll 70n
.\}
.eh 'USD:7-%'Mail Reference Manual'
.oh 'Mail Reference Manual'USD:7-%'
.if n \
.nr fs .5v
.\".he 'Mail Reference Manual\"n(mo^n(dy^n(yr'%'  
.tp
.sp 1.0i
.sz 12
.rb
.(l C
MAIL REFERENCE MANUAL
.)l
.sz 10
.sp 2
.i
.(l C
Kurt Shoens
.)l
.r
.(l C
Revised
by
.)l
.(l C
i
Craig Leres\ \c

```
.r
and\ \c
.i
Mark Andrews
.)l
.r
.(l C
Version 5.5
```

```
*(td
.)l
.pn 2
.\" $OpenBSD: mail6.nr,v 1.6 2006/03/04 16:18:06 miod Exp $
.\"
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.\"
.\" @(#)mail6.nr 8.2 (Berkeley) 5/16/94
.\"
.sh 1 "Command line options"
.pp
This section describes command line options for
```



.i Mail  
and what they are used for.

.ip "\-b list\ \"  
Send blind carbon copies to list.

.ip "\-c list\ \"  
Send carbon copies to list of users.  
List should be a comma separated list of names.

.ip  
"\-f file\ \"  
Show the messages in

.i file  
instead of your system mailbox. If

.i file  
is omitted,

.i Mail  
reads

.i mbox  
in your home directory.

.ip \-I  
Forces mail to run in interactive mode,  
even when input is not a terminal.  
In particular, the special \fB~\fP command character,  
used when sending mail, is only available interactively.

.ip \-i  
Ignore tty interrupt signals.  
This is particularly useful when using mail on noisy phone lines.

.ip \-N  
Suppress the initial printing of headers.

.ip \-n  
Inhibit reading of /etc/mail.rc upon startup.

.ip "\-s string"  
Used for sending mail.

.i String  
is used as the subject of the message being composed. If

.i string  
contains blanks, you must surround it with quote marks.

.ip "\-u name"  
Read

.i names's  
mail instead of your own. Unwitting others often neglect to protect  
their mailboxes, but discretion is advised. Essentially,

.b "\-u user"  
is a shorthand way of doing

.b "\-f /var/mail/user".

.ip "\-v"  
Use the

.b \-v  
flag when invoking sendmail.

This feature may also be enabled  
by setting the option "verbose".  
.pp  
The following command line flags are also recognized, but are  
intended for use by programs invoking  
.i Mail  
and not for people.  
.ip \-d  
Turn on debugging information. Not of general interest.  
.ip "\-T file"  
Arrange to print on  
.i file  
the contents of the  
.i article-id  
fields of all messages that were either read or deleted.  
.b \-T  
is for the  
.i readnews  
program and should NOT be used for reading your mail.

# 1.393 rake 12.3.1-1ubuntu0.1

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## 1.399 audit 2.8.2-1ubuntu1.1

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Paradis, Chantal  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron

Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
SATO, Yuichi  
Snchez, Wilfredo  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott, Dougal  
Sieger, Nick  
Simon, Thor Lancelot  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven  
Spangler, Aaron  
Spradling, Cloyce D.  
Stier, Matthew  
Stoeckmann, Tobias  
Street, Russell  
Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
Thomas, Matthew  
Todd, Giles  
Toft, Martin  
Torek, Chris  
Tucker, Darren  
Uhl, Robert  
Uzel, Petr  
Valery, Reznic  
Van Dinter, Theo  
Venckus, Martynas  
de Vries, Maarten  
Wagner, Klaus

Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

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

Blttermann, Mario  
Bogusz, Jakub  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez, Francisco  
Ferreira, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frdric  
Hein, Jochen  
Hufthammer, Karl Ove  
Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen,  
Gbor  
Koir, Klemen  
Kozlov, Yuri  
Kramer, Jakob  
Krznar, Tomislav  
Marchal, Frdric  
Margeviius, Algimantas  
Maryanov, Pavel  
Nikoli, Miroslav  
Nylander, Daniel  
Psa, Petr  
Qun, Trn Ngc  
Regueiro, Leandro  
Sarar, zgr



Sendn, Abel  
Sikrom, ka  
Spingos, Dimitris  
Taniguchi, Yasuaki  
Tomat, Fbio  
Uranga, Mikel Olasagasti  
Vorotnikov, Artem  
Wang, Wylmer

# 1.403 okhttp 3.12.6

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\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/BasicCertificateChainCleaner.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/WebSocketListener.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/StreamResetException.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/platform/AndroidPlatform.java  
\*  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/platform/JdkWithJettyBootPlatform.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/TrustRootIndex.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/BasicTrustRootIndex.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/platform/Jdk9Platform.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/RetryAndFollowUpInterceptor.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/CallServerInterceptor.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/RealInterceptorChain.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache2/Relay.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/UnrepeatableRequestBody.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/WebSocket.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/ConnectionShutdownException.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache2/FileOperator.java

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\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Hpack.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/Response.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/MediaType.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/RouteDatabase.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/Handshake.java

```

*
/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/ErrorCode.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/RequestLine.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Dispatcher.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/InternalCache.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Request.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/NamedRunnable.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/StatusLine.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/CacheStrategy.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Http2.java
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* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/HttpDate.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Http2Stream.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Http2Reader.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Http2Connection.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Http2Writer.java
*
/okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/DiskLruCache.java
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\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/publicsuffix/PublicSuffixDatabase.java  
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\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/RouteSelector.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/OkHttpClient.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/Dns.java  
\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Settings.java  
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\* /okhttp-3-12-6-sources-2-jar/okhttp3/Authenticator.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/Cookie.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/ConnectionSpecSelector.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/FaultHidingSink.java

\*

\*/okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/StreamAllocation.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/RouteException.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/HttpUrl.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/CookieJar.java

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\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/annotations/EverythingIsNonNull.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/proxy/NullProxySelector.java

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\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/HttpHeaders.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http1/Http1Codec.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/HttpCodec.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/Util.java

\* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Http2Codec.java

\*

/\* /okhttp-3-12-6-sources-2-jar/okhttp3/Address.java

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```
* /okhttp-3-12-6-sources-2-jar/okhttp3/ResponseBody.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/ws/WebSocketWriter.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/CacheRequest.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/RealCall.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/ws/WebSocketReader.java
*
/okhttp-3-12-6-sources-2-jar/okhttp3/ConnectionSpec.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/CertificatePinner.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/platform/ConscryptPlatform.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/TlsVersion.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/FormBody.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Callback.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Call.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/HttpMethod.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/RealResponseBody.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/Header.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/CipherSuite.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Challenge.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/MultipartBody.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/Version.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/RequestBody.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Protocol.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/Internal.java
*
/okhttp-3-12-6-sources-2-jar/okhttp3/Credentials.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/Interceptor.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/ws/WebSocketProtocol.java
* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/PushObserver.java
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- \* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/CacheInterceptor.java
- \*
- /okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/RealConnection.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/OkHostnameVerifier.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/CertificateChainCleaner.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/platform/OptionalMethod.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/ConnectionPool.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/Connection.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/Headers.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/BridgeInterceptor.java
- \* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/DistinguishedNameParser.java

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## 1.413 iso-codes 3.79-1

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

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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.

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility

is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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.

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END OF TERMS AND CONDITIONS

## Appendix: How to Apply These Terms to Your New Libraries

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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.>

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Here is a sample; alter the names:

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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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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

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

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

## TERMS AND CONDITIONS

### 0. Definitions.

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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

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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.

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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.
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- d) If the work has interactive user interfaces, each must display  
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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.

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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).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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

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

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## 1.433 blinker 1.4+dfsg1-0.1

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## 1.434 spring-context 5.0.2.RELEASE

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- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/SpringModelMBean.java
- \*
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationFactory.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java

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 */

/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary {@code AdminServiceFactory} API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the {@code MBeanServer} for bean references.
 * This FactoryBean is a direct alternative
 * to {@link MBeanServerFactoryBean},
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * <p>See the javadocs for WebSphere's
 * {@code AdminServiceFactory}
 * and {@code MBeanFactory}.
 *
 * @author Juergen Hoeller
 */
```

\* @author Rob Harrop  
\* @since 2.0.3  
\* @see javax.management.MBeanServer  
\* @see MBeanServerFactoryBean  
\*/

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\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java  
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 */
/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */
```

Found in path(s):

\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java  
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jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/MillisecondInstantPrinter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/LocaleContext.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Lazy.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/LocalDateParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ScopedProxyMode.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/LocalTimeParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Description.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/CustomizableThreadFactory.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ImportSelector.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiRegistryFactoryBean.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/TaskUtils.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/DeferredImportSelector.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationMethod.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/FilterType.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/DateTimeParser.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
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- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CacheAnnotationParser.java
- \*
- /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/BasicOperation.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncConfigurationSelector.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/FormatterRegistry.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachingConfigurer.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/TaskManagementConfigUtils.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/annotation/Validated.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/AnnotationFormatterFactory.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/PropertySources.java
- \*
- /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/CacheManagementConfigUtils.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/CacheManager.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachingConfigurerSupport.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationInvocationContext.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationContext.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaTimeConverters.java

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* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/YearMonthFormatter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/Async.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocation.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/PropertySource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheResolver.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/DateTimeContextHolder.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/ContextTypeMatchClassLoader.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/RemoteAccessException.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiLocatorSupport.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/InstantFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/EnableScheduling.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/bsh/BshScriptFactory.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CacheEvict.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/annotation/SchedulingConfigurer.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/annotation/ManagedNotifications.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationUtils.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/AbstractBindingResult.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/RegistrationPolicy.java
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\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/Schedules.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/SimpleHttpServerFactoryBean.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ExecutorBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/JndiRmiServiceExporter.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationEventPublisher.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/weblogic/WebLogicLoadTimeWeaver.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheEvictOperation.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachingConfigurationSelector.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Primary.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/Cacheable.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/Printer.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/config/LangNamespaceUtils.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DurationFormatter.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/AbstractCacheManager.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/EnableLoadTimeWeaving.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/config/ScriptingDefaultsParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StandardScriptUtils.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CompositeCacheOperationSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/Caching.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/VariableNotAvailableException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/GenericXmlApplicationContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/Scheduled.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/MethodBasedEvaluationContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Import.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/SimpleKeyGenerator.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiServiceExporter.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventListener.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/BeanAnnotationHelper.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/Parser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java

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* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/KeyGenerator.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiClientInterceptorUtils.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ComponentScan.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CachePut.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiLocatorDelegate.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/EnableAspectJAutoProxy.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiCallback.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiPropertySource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/SimpleKey.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/NoOpCacheManager.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/EmbeddedValueResolverAware.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/CompositeCacheManager.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ImportRegistry.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/JodaTimeContextHolder.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheEvaluationContext.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/DateTimeConverters.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/PeriodFormatter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/TemporalAccessorParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationListener.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/AbstractErrors.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/MonthDayFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/TaskScheduler.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationCondition.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java
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- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/InvocationFailureException.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
- \*
- \*/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/MessageCodesResolver.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/AbstractNumberFormatter.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/HierarchicalThemeSource.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindingErrorProcessor.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/DefaultRemoteInvocationFactory.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/ContextNamespaceHandler.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/UrlBasedRemoteAccessor.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/MBeanServerNotFoundException.java
- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/RemoteLookupFailureException.java

\*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ScopeMetadata.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ContextRefreshedEvent.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/SelfNaming.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/scheduling/config/SchedulerBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/RemoteConnectFailureException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/config/JeeNamespaceHandler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/DependsOn.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/ThemeSource.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/scripting/support/RefreshableScriptTargetSource.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/jmx/export/asmblr/AutodetectCapableMBeanInfoAssembler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/ObjectNameManager.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/MBeanExporterListener.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/LiveBeansViewMBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/Validator.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/Theme.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemotingSupport.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/ui/context/support/UiApplicationContextUtils.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ContextStartedEvent.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/remoting/RemoteInvocationFailureException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/LoadTimeWeaver.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ApplicationContextEvent.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/support/SimpleTheme.java  
 \*  
 /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/jmx/export/asmblr/SimpleReflectiveMBeanInfoAssembler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/MessageCodeFormatter.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/ejb/config/LocalStatelessSessionBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/soap/SoapFaultException.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java

\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/EnableMBeanExport.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationContextAware.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationBasedAccessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/EjbAccessException.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/notification/ModelMBeanNotificationPublisher.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiClientInterceptor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiLookupFailureException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/BeanFactoryResolver.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiInvocationHandler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/SchedulingAwareRunnable.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/weaving/LoadTimeWeaverAware.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ContextClosedEvent.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/Phased.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembler/MBeanInfoAssembler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/MBeanExportException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/JmxAttributeSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/InvalidInvocationException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/config/JndiLookupBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/TriggerContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindingResultUtils.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/JmxException.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/MBeanConnectFailureException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/NoSuchMessageException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationContextException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/LoadTimeWeavingConfigurer.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/ContextStoppedEvent.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiInvocationWrapper.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/config/RemoteStatelessSessionBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/Formatter.java

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* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/SmartValidator.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/Trigger.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/HierarchicalMessageSource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/SchedulingException.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/FormatterRegistrar.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/remoting/rmi/CodebaseAwareObjectInputStream.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiBasedExporter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/annotation/AnnotationMBeanExporter.java
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```

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```

Found in path(s):

```

* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/CacheConfig.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/DefaultEventListenerFactory.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/PercentStyleFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Scope.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/RemoteTimeoutException.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventExpressionRootObject.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/number/money/CurrencyUnitFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ImportResource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/SmartLifecycle.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/annotation/ProxyAsyncConfiguration.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/YearMonthFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationEvent.java
*

```

```

/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedOperation.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/config/LangNamespaceHandler.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/PeriodFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventListenerFactory.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scripting/support/StandardScriptEvalException.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/PayloadApplicationEvent.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedResource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/CronTrigger.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedMetric.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ComponentScans.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedNotification.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/DurationFormatter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Role.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptEvaluator.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/Lifecycle.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/MonthDayFormatter.java
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Found in path(s):

```

* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ModelMapExtensions.kt
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ModelExtensions.kt

```

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Found in path(s):

`/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheProxyFactoryBean.java`  
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 */
```

```
/**
 * Indicates that a component is only eligible for registration when all
 * {@linkplain #value specified conditions} match.
 *
 * <p>A condition is any state that can be determined programmatically
 * before the bean definition is due to be registered (see {@link Condition} for details).
 *
 * <p>The
 * {@code @Conditional} annotation may be used in any of the following ways:
 *
 *
 * as a type-level annotation on any class directly or indirectly annotated with
```

- \* {@code @Component}, including {@link Configuration @Configuration} classes
- \* <li>as a meta-annotation, for the purpose of composing custom stereotype annotations
- \* <li>as a method-level annotation on any {@link Bean @Bean} method
- \* </ul>
- \*
- \* <p>If a {@code @Configuration} class is marked with {@code @Conditional}, all of the {@code @Bean} methods, {@link Import @Import} annotations, and {@link ComponentScan @ComponentScan} annotations associated with that class will be subject to the conditions.
- \*
- \* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations is not supported; any conditions from superclasses or from overridden methods will not be considered. In order to enforce these semantics, {@code @Conditional} itself is not declared as
- \* {@link java.lang.annotation.Inherited @Inherited}; furthermore, any custom <em>composed annotation</em> that is meta-annotated with
- \* {@code @Conditional} must not be declared as {@code @Inherited}.
- \*
- \* @author Phillip Webb
- \* @author Sam Brannen
- \* @since 4.0
- \* @see Condition
- \*/

Found in path(s):

- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Conditional.java

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 * limitations under the License.
 */
```

Found in path(s):

- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncConfigurer.java

```

* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/Jsrf310DateTimeFormatAnnotationFormatterFactory.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheAspectSupport.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/Cache.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/weaving/LoadTimeWeaverAwareProcessor.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/ejb/access/LocalStatelessSessionProxyFactoryBean.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/expression/BeanExpressionContextAccessor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/LocaleContextHolder.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CachePutOperation.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/AbstractCacheResolver.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/DateTimeFormatterFactory.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/MBeanProxyFactoryBean.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ScheduledTask.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/InstrumentationLoadTimeWeaver.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptCompilationException.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/CurrencyStyleFormatter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/Model.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiObjectTargetSource.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java

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\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/DateFormatterRegistrar.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotatedElementKey.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaDateTimeFormatAnnotationFormatterFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassPreProcessorAdapter.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/annotation/DateTimeFormat.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ApplicationContextAwareProcessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/Task.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskScheduler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/SmartApplicationListener.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StaticScriptSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ModelMap.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigApplicationContextExtensions.kt  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/weaving/AspectJWeavingEnabler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationExpressionEvaluator.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/EnableAsync.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/MethodInvokingRunnable.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCacheFactoryBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/RmiProxyFactoryBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/NotificationListenerBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/ProxyCachingConfiguration.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/bsh/BshScriptUtils.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AdviceModeImportSelector.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheErrorHandler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembler/MethodExclusionMBeanInfoAssembler.java

\* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/format/number/money/MonetaryAmountFormatter.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/groovy/GroovyScriptFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DefaultBindingErrorProcessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/ObjectError.java  
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 /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java  
 \* /spring-context-5-0-2-release-sources-2-  
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* /spring-context-5-0-2-release-sources-2-
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* /spring-context-5-0-2-release-sources-2-
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/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/JmxUtils.java
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/CronSequenceGenerator.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/AnnotationDrivenCacheBeanDefinitionParser.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedAttribute.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/support/BindingAwareConcurrentModel.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/ClassPathXmlApplicationContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MBeanRegistrationSupport.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Profile.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/ScriptFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/ThreadPoolExecutorFactoryBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/DelegatingMessageSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ResourceLoaderAware.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/TypeMismatchNamingException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/MessageSourceAccessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/MessageSourceResolvable.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiTemplate.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/SourceFilteringListener.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConditionEvaluator.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/ResourceOverridingShadowingClassLoader.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/SimpleRemoteSlsbInvokerInterceptor.java  
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\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedOperation.java  
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\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/LifecycleProcessor.java

\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ScopedProxyCreator.java

\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/MBeanExportOperations.java

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Found in path(s):

\* /spring-context-5-0-2-release-sources-2-

```
jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationContextInitializer.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ImportAware.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/MessageSourceAware.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationEventPublisherAware.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/BeanMethod.java
```

# 1.435 openjdk 1.8.0u192

## 1.435.1 Available under license :

## zlib v1.2.11

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|                  |                           |
|------------------|---------------------------|
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| Gallium code   | src/gallium/       | MIT            |
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|                | GL/glxt.h          | Khronos        |
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|                | KHR/khrplatform.h  | Khronos        |

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Mesa 3-D  
graphics library

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

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# 1.438 fonts-ubuntu 0.83-2

## 1.438.1 Available under license :

-----  
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-----

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Ubuntu Font Family Licensing FAQ

#### Stylistic Foundations

The Ubuntu Font Family is the first time that a libre typeface has been designed professionally and explicitly with the intent of developing a public and long-term community-based development process.

When developing an open project, it is generally necessary to have firm foundations: a font needs to maintain harmony within itself even across many type designers and writing systems. For the [1]Ubuntu Font Family, the process has been guided with the type foundry Dalton Maag setting the project up with firm stylistic foundation covering several left-to-right scripts: Latin, Greek and Cyrillic; and right-to-left

scripts: Arabic and Hebrew (due in 2011).

With this starting point the community will, under the supervision of [2]Canonical and [3]Dalton Maag, be able to build on the existing font sources to expand their character coverage. Ultimately everybody will be able to use the Ubuntu Font Family in their own written languages across the whole of Unicode (and this will take some time!).

## Licensing

The licence chosen by any free software project is one of the foundational decisions that sets out how derivatives and contributions can occur, and in turn what kind of community will form around the project.

Using a licence that is compatible with other popular licences is a powerful constraint because of the [4]network effects: the freedom to share improvements between projects allows free software to reach high-quality over time. Licence-proliferation leads to many incompatible licences, undermining the network effect, the freedom to share and ultimately making the libre movement that Ubuntu is a part of less effective. For all kinds of software, writing a new licence is not to be taken lightly and is a choice that needs to be thoroughly justified if this path is taken.

Today it is not clear to Canonical what the best licence for a font project like the Ubuntu Font Family is: one that starts life designed by professionals and continues with the full range of community development, from highly commercial work in new directions to curious beginners' experimental contributions. The fast and steady pace of the Ubuntu release cycle means that an interim libre licence has been necessary to enable the consideration of the font family as part of Ubuntu 10.10 operating system release.

Before taking any decision on licensing, Canonical as sponsor and backer of the project has reviewed the many existing licenses used for libre/open fonts and engaged the stewards of the most popular licenses in detailed discussions. The current interim licence is the first step in progressing the state-of-the-art in licensing for libre/open font development.

The public discussion must now involve everyone in the (comparatively new) area of the libre/open font community; including font users, software freedom advocates, open source supporters and existing libre font developers. Most importantly, the minds and wishes of professional

type designers considering entering the free software business community must be taken on board.

Conversations and discussion has taken place, privately, with individuals from the following groups (generally speaking personally on behalf of themselves, rather than their affiliations):

- \* [5]SIL International
- \* [6]Open Font Library
- \* [7]Software Freedom Law Center
- \* [8]Google Font API

#### Document embedding

One issue highlighted early on in the survey of existing font licences is that of document embedding. Almost all font licences, both free and unfree, permit embedding a font into a document to a certain degree. Embedding a font with other works that make up a document creates a "combined work" and copyleft would normally require the whole document to be distributed under the terms of the font licence. As beautiful as the font might be, such a licence makes a font too restrictive for useful general purpose digital publishing.

The situation is not entirely unique to fonts and is encountered also with tools such as GNU Bison: a vanilla GNU GPL licence would require anything generated with Bison to be made available under the terms of the GPL as well. To avoid this, Bison is [9]published with an additional permission to the GPL which allows the output of Bison to be made available under any licence.

The conflict between licensing of fonts and licensing of documents, is addressed in two popular libre font licences, the SIL OFL and GNU GPL:

- \* [10]SIL Open Font Licence: When OFL fonts are embedded in a document, the OFL's terms do not apply to that document. (See [11]OFL-FAQ for details.
- \* [12]GPL Font Exception: The situation is resolved by granting an additional permission to allow documents to not be covered by the GPL. (The exception is being reviewed).

The Ubuntu Font Family must also resolve this conflict, ensuring that if the font is embedded and then extracted it is once again clearly under the terms of its libre licence.

#### Long-term licensing

Those individuals involved, especially from Ubuntu and Canonical, are interested in finding a long-term libre licence that finds broad favour

across the whole libre/open font community. The deliberation during the past months has been on how to licence the Ubuntu Font Family in the short-term, while knowingly encouraging everyone to pursue a long-term goal.

- \* [13] Copyright assignment will be required so that the Ubuntu Font Family's licensing can be progressively expanded to one (or more) licences, as best practice continues to evolve within the libre/open font community.

- \* Canonical will support and fund legal work on libre font licensing.

It is recognised that the cost and time commitments required are likely to be significant. We invite other capable parties to join in supporting this activity.

The GPL version 3 (GPLv3) will be used for Ubuntu Font Family build scripts and the CC-BY-SA for associated documentation and non-font content: all items which do not end up embedded in general works and documents.

## Ubuntu Font Licence

For the short-term only, the initial licence is the [14]Ubuntu Font License (UFL). This is loosely inspired from the work on the SIL OFL 1.1, and seeks to clarify the issues that arose during discussions and legal review, from the perspective of the backers, Canonical Ltd. Those already using established licensing models such as the GPL, OFL or Creative Commons licensing should have no worries about continuing to use them. The Ubuntu Font Licence (UFL) and the SIL Open Font Licence (SIL OFL) are not identical and should not be confused with each other. Please read the terms precisely. The UFL is only intended as an interim license, and the overriding aim is to support the creation of a more suitable and generic libre font licence. As soon as such a licence is developed, the Ubuntu Font Family will migrate to it made possible by copyright assignment in the interim. Between the OFL 1.1, and the UFL 1.0, the following changes are made to produce the Ubuntu Font Licence:

- \* Clarification:

1. Document embedding (see [15]embedding section above).
2. Apply at point of distribution, instead of receipt
3. Author vs. copyright holder disambiguation (type designers are authors, with the copyright holder normally being the funder)
4. Define "Propagate" (for internationalisation, similar to the GPLv3)
5. Define "Substantially Changed"
6. Trademarks are explicitly not transferred
7. Refine renaming requirement

Streamlining:

8. Remove "not to be sold separately" clause
9. Remove "Reserved Font Name(s)" declaration

A visual demonstration of how these points were implemented can be found in the accompanying coloured diff between SIL OFL 1.1 and the Ubuntu Font Licence 1.0: [16]ofl-1.1-ufl-1.0.diff.html

## References

1. <http://font.ubuntu.com/>
  2. <http://www.canonical.com/>
  3. <http://www.daltonmaag.com/>
  4. [http://en.wikipedia.org/wiki/Network\\_effect](http://en.wikipedia.org/wiki/Network_effect)
  5. <http://scripts.sil.org/>
  6. <http://openfontlibrary.org/>
  7. <http://www.softwarefreedom.org/>
  8. <http://code.google.com/webfonts>
  9. <http://www.gnu.org/licenses/gpl-faq.html#CanIUseGPLToolsForNF>
  10. [http://scripts.sil.org/OFL\\_web](http://scripts.sil.org/OFL_web)
  11. [http://scripts.sil.org/OFL-FAQ\\_web](http://scripts.sil.org/OFL-FAQ_web)
  12. <http://www.gnu.org/licenses/gpl-faq.html#FontException>
  13. <https://launchpad.net/~uff-contributors>
  14. <http://font.ubuntu.com/ufl/ubuntu-font-licence-1.0.txt>
  15. <http://font.ubuntu.com/ufl/FAQ.html#embedding>
  16. <http://font.ubuntu.com/ufl/ofl-1.1-ufl-1.0.diff.html>
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-----  
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Found in path(s):

\* /fonts-lato-2-0-orig-2-tar-xz/fonts-lato-2.0/OFL.txt

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

Lato font family

=====

Version 2.007; Latin+Cyrillic+Greek+IPA opensource

Created by: tyPoland Lukasz Dziedzic

Creation year: 2014

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Source URL: <http://www.latofonts.com/>

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Lato is a sanserif typeface family designed in the Summer 2010 by Warsaw-based designer ukasz Dziedzic (“Lato” means “Summer” in Polish). In December 2010 the Lato family was published under the open-source Open Font License by his foundry tyPoland, with support from Google. In 2013-2014, the family was greatly extended to cover 2300+ glyphs per style. It now supports 100+ Latin-based languages, 50+ Cyrillic-based languages as well as Greek and IPA phonetics. In the process, the metrics and kerning of the family have been revised and four additional weights were created.

In the last ten or so years, during which ukasz has been designing type, most of his projects were rooted in a particular design task that he needed to solve. With Lato, it was no different. Originally, the family was conceived as a set of corporate fonts for a large client — who in the end decided to go in different stylistic direction, so the family became available for a public release.

When working on Lato, ukasz tried to carefully balance some potentially conflicting priorities. He wanted to create a typeface that would seem quite “transparent” when used in body text but would display some original traits when used in larger sizes. He used classical proportions (particularly visible in the uppercase) to give the letterforms familiar harmony and elegance. At the same time, he created a sleek sanserif look, which makes evident the fact that Lato was designed in 2010 — even though it does not follow any current trend.

The semi-rounded details of the letters give Lato a feeling of warmth, while the strong structure provides stability and seriousness. “Male and female, serious but friendly. With the feeling of the Summer,” says ukasz.

Lato consists of nine weights (plus corresponding italics), including a beautiful hairline style.

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## CONTENTS:

This folder contains 18 font files in OpenType TT (.ttf) format. You can install these fonts on your computer and use in any desktop applications (such as Word, InDesign, Illustrator, Photoshop, Keynote or Pages).

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## REVISION LOG:

# Version 2.007 (2014-02-27)

Greatly expanded character set, revised metrics, four additional weights.

# Version 1.104 (2011-11-08)

Merged the distribution again

Autohinted with updated ttfautohint 0.4 (which no longer causes Adobe and iOS problems) except the Hai and Lig weights which are hinted in FLS 5.1.

# Version 1.102 (2011-10-28)

Added OpenType Layout features

Ssplit

between desktop and web versions

Desktop version: all weights autohinted with FontLab Studio

Web version autohinted with ttfautohint 0.4 except the Hai and Lig weights

# Version 1.101 (2011-09-30)

Fixed OS/2 table Unicode and codepage entries

# Version 1.100 (2011-09-12)

Added Polish diacritics to the character set

Weights Hai and Lig autohinted with FontLab Studio

Other weights autohinted with ttfautohint 0.3

# Version 1.011 (2010-12-29)

Added the soft hyphen glyph

# Version 1.010 (2010-12-13)

Initial version released under SIL Open Font License

Western character set

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Found in path(s):

\* /fonts-lato-2-0-orig-2-tar-xz/fonts-lato-2.0/README.txt

# 1.440 httpcomponents-mime 4.3.2

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# 1.441 klibc 2.0.4-9ubuntu2-0~smi.20.09.29

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It was downloaded from <http://www.kernel.org/pub/linux/libs/klibc/>

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# 1.442 gojsonpointer 0.0.0-20190905194746-02993c407bfb

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## 1.443 python-setuptools 39.0.1-2

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# 1.448 ini 1.62.0

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## 1.450 glib 2.56.4-Ubuntu0.18.04.8

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## 1.451 error\_prone\_annotations 2.1.3

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

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

operating system, as well as its variant, the GNU/Linux operating system.

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

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

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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

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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

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

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

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

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

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

compelled to copy the source along with the object code.

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

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

## TERMS AND CONDITIONS

### 0. Definitions.

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#### 1. Source Code.

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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.

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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.
- 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.

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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.

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with any other library

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Boston, MA 02110-1301 USA

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mail.

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your  
school, if any, to sign a "copyright disclaimer" for the library, if  
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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!

-----  
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-ipv6.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.

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

Happy now? :-)

-a

## 1.461 kerberos 1.16-2ubuntu0.2

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=====

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=====

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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  
slave/kpropd\_rpc.c  
slave/kproplog.c

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lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
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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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# 1.464 openssl 1.0.2n-1ubuntu5.6

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\*

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## 1.465 sqlite 3.22.0-1

### 1.465.1 Available under license :

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If N>0 then the connection is free to use more of the WAL file beyond

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<dd><p>The psow query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

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author, and all of those authors have public domain dedications

Even though SQLite is in the public domain and does not require

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their contributions to the public domain.

in this code to the public domain. We make this dedication for the benefit

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application is free to use the same [database connection](#sqlite3) or the

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is free to use SQLite from multiple threads, but it must make sure

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<title>SQLite Copyright Release Template</title>

<body bgcolor="white">

<h1 align="center">

Copyright Release for<br>

Contributions To SQLite

</h1>

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</p>

<ol>

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</td><td valign="top" align="left">  
Date:  
</td></tr>  
<td colspan=2>  
Name  
(printed):  
</td>  
</tr>  
</table>  
</body>  
</html>

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<title>SQLite Consortium Agreement</title>  
</head>  
<body bgcolor="white">  
<h1 align="center">  
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</h1>  
  
<p>This SQLite Consortium Agreement ("Agreement") is made and  
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Hipp, Wyrick & Company, Inc., a Georgia Corporation with headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").

WHEREAS, Hwaci is the developer of a serverless, embeddable, public domain SQL database engine available at <http://www.sqlite.org> ("SQLite"); and

WHEREAS, Company wishes to support the independent development of the SQLite database engine to insure the continuing reliability, vitality, and independence of SQLite, and in connection therewith, Company wishes to provide funds for ongoing research, development, and maintenance of the SQLite code base, operation of the SQLite website, protection and maintenance of the SQLite trademark, as well as for promotion of SQLite at conferences and trade shows; and

WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and

WHEREAS, Company and Hwaci each wish SQLite to be supported and maintained as an independent, community-driven project, and to ensure the SQLite development team remains independent.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

## 1.0 Definitions

### 1.1 SQLite Developers

The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the SQLite Architect.

### 1.2 SQLite Architect

The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.

### 1.3 Consortium Member

A "Consortium Member" is a company or organization, including but not limited to Company, which has entered into an agreement with Hwaci which is substantially similar to this Agreement.

## <h2>2.0 Agreement</h2>

### <h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

#### <h4>2.1.1 General Support</h4>

<p>The SQLite Developers shall provide, without limit, timely and accurate answers, advice, and instruction in response to questions and comments from Company about SQLite submitted by email or by telephone at any time day or night.</p>

#### <h4>2.1.2 Debugging Support</h4>

The SQLite Developers shall at Company's request provide Company with direct assistance in debugging applications that are built upon or use SQLite. The combined time for Debugging Support and Custom Development for Company is limited to 330 hours per year.</p>

#### <h4>2.1.3 Custom Development</h4>

<p>The SQLite Developers shall at the request of Company write new extensions or enhancements to SQLite according to Company's specifications. These extensions and enhancements may be proprietary to Company or open source or with the consent of both Company and the SQLite Architect may be folded into the public domain SQLite source tree. The time devoted to Custom Development for Company is limited 220 hours per year.</p>

#### <h4>2.1.4 Custom Builds</h4>

The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.</p>

#### <h4>2.1.5 Legacy Support</h4>

<p>The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.</p>

#### <h4>2.1.6 Custom Testing</h4>

<p>The SQLite Developers shall at Company's request set up and run acceptance tests according Company's specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release

of SQLite.

</p>

#### <h4>2.1.7 Priority Bug Fixes</h4>

<p>The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has expressed a specific interest.

</p>

#### <h4>2.1.8 Code Quality</h4>

<p>The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.

</p>

#### <h4>2.1.9 Backwards Compatibility</h4>

<p>The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently to ensure continuing bug-free correct operation and backwards compatibility with prior releases.

</p>

#### <h4>2.1.10

##### Test Coverage</h4>

<p>The SQLite Developers shall maintain the SQLite test suite such that no less than 95% source code coverage is provided.

</p>

#### <h4>2.1.11 Website</h4>

<p>The SQLite Developers shall maintain the SQLite website at  
<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>  
in good working order and all SQLite source code shall be made freely available at such website.

</p>

### <h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

#### <h4>2.2.1 Private Briefings</h4>

<p>The SQLite Architect shall, at the request of Company, provide Company with private notification and briefings of any new bugs or new features in SQLite that might effect Company's products.

</p>

#### <h4>2.2.2 Direction</h4>

<p>The SQLite Architect shall coordinate the activities of SQLite

Developers and shall publish from time to time a roadmap of proposed future changes and enhancements to SQLite.

</p>

#### <h4>2.2.3 Oversight</h4>

<p>The SQLite Architect shall personally review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.

</p>

#### <h4>2.2.4 Continuity</h4>

<p>The initial SQLite Architect shall be the original developer of SQLite, D. Richard Hipp. The role of SQLite Architect shall not be assigned to another during the term of this Agreement except due to the disability of Dr. Hipp and with approval of Company.

</p>

### <h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

#### <h4>2.3.1 Employer</h4>

<p>Hwaci shall act as the employer of the SQLite Developers and SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.

</p>

#### <h4>2.3.2 Responsible Party</h4>

<p>All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set

forth in this agreement are upheld.</p>

#### <h4>2.3.3 Multiple Developers</h4>

<p>Hwaci shall recruit and employ as many SQLite Developers for as many hours as can be reasonably achieved using the funds received from Consortium Members under this agreement.

So that support for SQLite will not be interrupted by the disability or withdrawal of any one SQLite Developer, Hwaci will keep at least two knowledgeable and competent SQLite Developers on staff.</p>

#### <h4>2.3.4 Mentorship</h4>

<p>Hwaci shall work to encourage independent programmers from around the world to become familiar with SQLite internals so that there will be a

pool of talent able to support SQLite in the future.

</p>

#### <h4>2.3.5 Audits</h4>

<p>Hwaci shall keep and maintain complete and accurate records of the use of development funds provided by Company and shall allow Company, or its representative, a certified public accountant mutually acceptable to Hwaci and Company, during office hours and at reasonable intervals, no more than once every 12 months, to inspect and make extracts or copies of such records solely for the purpose of ascertaining Hwaci's compliance with the objectives and requirements of this agreement.

</p>

#### <h4>2.3.6 Disaster Planning</h4>

<p>Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.

</p>

#### <h4>2.3.7 Trademark</h4>

<p>Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> website.

</p>

#### <h4>2.3.8 No Take-overs or Buy-outs</h4>

<p>Neither Hwaci nor the SQLite Architect shall relinquish development control of SQLite during the term of this Agreement, by acquisition or merger or by any other means, except with the consent of Company.

</p>

#### <h4>2.3.9

##### New Consortium Members</h4>

<p>New Consortium Members may be accepted into the consortium from time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.</p>

#### <h4>2.3.10 Adequate Staff</h4>

Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all

Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.

</p>

#### <h4>2.3.11 Use Of Funds</h4>

<p>Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement.

Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

</p>

### <h3>2.4 Responsibilities And Obligations Of Company</h3>

#### <h4>2.4.1 Funding</h4>

<p>Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

</p>

#### <h4>2.4.2 Copyright Disclaimer</h4>

<p>Company acknowledges that SQLite source code and documentation published on the <a href="http://www.sqlite.org/">SQLite website</a> is in the public domain and that nothing in this agreement shall change that fact.

</p>

## <h2>3.0 Fees</h2>

<p>In consideration of the performance by Hwaci, the SQLite Developers, and the SQLite Architect of the obligations described herein, Company shall pay Hwaci at least US \$75,000 per year in advance either annually, quarterly, or monthly, at Company's discretion.</p>

## <h2>4.0 Confidentiality</h2>

### <h3>4.1 Definition of Confidential Information</h3>

<p>"Confidential Information" means any Company proprietary information, technical data, trade secrets or know-how, including, but not limited to, research, product plans, products, services, customers, customer lists, markets, software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information disclosed by Company either directly or indirectly in writing,

orally or by drawings or inspection of parts or equipment.

### 4.2 Non-Use and Non-Disclosure.

Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.

#### 4.2.1 Disclosure Required by Law

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.

### 4.3 Return of Materials.

Upon the termination of this Agreement, or upon Company's



earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control.</p>

## <h2>5.0 Intellectual Property</h2>

### <h3>5.1 No Assignment</h3>

<p>Company acknowledges that all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments,

discoveries and trade secrets made, generated, conceived, or reduced to practice by Hwaci related to SQLite will remain the property of Hwaci. Nothing in this Agreement will be construed to transfer any intellectual property right of Hwaci to Company.</p>

### <h3>5.2 Availability and Public Domain Dedication</h3>

<p>The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain. To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.</p>

### <h3>5.3 Trademark</h3>

<p>Hwaci shall use the name "SQLite" only to apply to the

publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.

## <h2>6.0 Representations And Warranties</h2>

### <h3>6.1 Intellectual Property Clearances.</h3>

<p>Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.</p>

### <h3>6.2 Disclaimer.</h3>

<p>THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.</p>

## <h2>7.0 Term And Termination</h2>

### <h3>7.1 Term.</h3>

<p>This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.</p>

### <h3>7.2 Termination.</h3>

<p>If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.</p>

### <h3>7.3 Survival.</h3>

<p>Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property), and 8 (Miscellaneous) will survive termination of this Agreement.</p>

## <h2>8. Miscellaneous</h2>

### <h3>8.1 Nonassignment/Binding Agreement.</h3>

<p>The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.</p>

### <h3>8.2 Notices.</h3>

<p>Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.</p>

### <h3>8.3 Waiver.</h3>

<p>Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect,

or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.

### 8.4 Severability.

If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.

### 8.5 Integration.

This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.

### 8.6 Counterparts.

This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.

### 8.7 Governing Law.

This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina

and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive jurisdiction of the state and federal courts located in North Carolina, and each party hereby consents to the personal jurisdiction thereof.

### 8.8 Independent Contractors.

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.

## 9.0 Signatures

The parties have executed this Agreement below to indicate their acceptance of its terms.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="234 985 387 1016" data-label="Text"><p>HWACI</p></div> <div data-bbox="234 1025 336 1059" data-label="Text"><p>By:</p></div> <div data-bbox="234 1066 419 1099" data-label="Text"><p><br/></p></div> <div data-bbox="234 1104 427 1137" data-label="Text"><p>Print Name:</p></div> <div data-bbox="234 1146 419 1178" data-label="Text"><p><br/></p></div> <div data-bbox="234 1184 355 1216" data-label="Text"><p>Title:</p></div> <div data-bbox="234 1225 419 1258" data-label="Text"><p><br/></p></div> | <div data-bbox="234 1382 432 1415" data-label="Text"><p>COMPANY</p></div> <div data-bbox="234 1422 336 1456" data-label="Text"><p>By:</p></div> <div data-bbox="234 1462 419 1496" data-label="Text"><p><br/></p></div> <div data-bbox="234 1503 427 1536" data-label="Text"><p>Print Name:</p></div> <div data-bbox="234 1543 419 1576" data-label="Text"><p><br/></p></div> <div data-bbox="234 1583 355 1615" data-label="Text"><p>Title:</p></div> <div data-bbox="234 1624 419 1657" data-label="Text"><p><br/></p></div> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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<html>

<body bgcolor="white">

<p>FOR IMMEDIATE RELEASE:</p>

<h2 align="center">SQLite Consortium Launches With Mozilla And Symbian As Charter Members</h2>

<h3 align="center">Ensures independent technical direction for world's  
most deployed SQL database engine</h3>

<p><b>Charlotte, North Carolina - December 12, 2007</b> - The SQLite Consortium,  
a new membership association dedicated to maintaining SQLite as a fully open  
and independent product, was formally announced today. Mozilla and Symbian Ltd.  
have joined the SQLite Consortium as charter members.</p>

<p>SQLite is a compact, high efficiency, high reliability, embeddable SQL database  
engine. The source code to SQLite is in the public domain and is available with  
no associated fees. SQLite is the most deployed SQL database engine in the world  
and is currently used in a wide range of commercial software products and electronic  
devices from leading manufacturers.

SQLite is found today in many mobile phones,  
MP3 players, set-top boxes, and PCs.</p>

<p>The mission of the SQLite Consortium is to continue developing and enhancing  
SQLite as a product that anyone may use without paying royalties or licensing fees.  
Members of the SQLite Consortium provide funding to enable this mission and in  
return receive enterprise-level technical support. Technical control and direction  
of SQLite remains entirely with the SQLite developers.</p>

<p>Mozilla, developer of the popular open-source Firefox web browser, and Symbian,  
the market-leading open operating system for advanced data-enabled smartphones,  
both deploy the SQLite database engine in their products. As charter members of  
the Consortium, Mozilla and Symbian are ensuring the development and support of  
SQLite as a freely accessible and public domain software asset.</p>

<p>"SQLite has become a popular embedded database because it is lightweight, fast,  
and open source," said Michael Schroepfer,

Vice President of Engineering, Mozilla.

"As a charter member of the SQLite Consortium, Mozilla is excited to help ensure

SQLite remains a vibrant and open technology, in line with our mission to promote choice and innovation on the Internet."

"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development, " said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQL Consortium not only demonstrates Symbian's commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible."

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, <http://www.sqlite.org/>.

###

**About SQLite**

SQLite is a software library that implements a self-contained, embeddable, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is free for any use, commercial or private. SQLite is currently found in countless software titles and electronic devices.

SQLite was originally developed and released 2000 by Dr. D. Richard Hipp. The code continues to be maintained and enhanced by an international team of developers under Hipp's direction.

CONTACT INFORMATION:  
SQLite Consortium  
Dr. D. Richard Hipp  
6200 Maple Cove Lane  
Charlotte, NC 28269  
Email: [drh@sqlite.org](mailto:drh@sqlite.org)  
<http://www.sqlite.org/>  
Tel: +1.704.948.4565

**About Mozilla**

<p>Mozilla is a global community dedicated to building free, open source products

and technologies that improve the online experience for people everywhere.

Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation.

As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation.

For more information, visit [www.mozilla.com](http://www.mozilla.com).</p>

<p>CONTACT INFORMATION:<br>

Mozilla Corporation<br>

Jessica Waight<br>

Tel: +1.415.345.4754<br>

Email: [jwaight@outcastpr.com](mailto:jwaight@outcastpr.com)

</p>

<p><b>About Symbian Limited</b></p>

<p>Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.</p>

<p>Symbian licenses Symbian OS to the world's leading handset manufacturers and has built close co-operative business

relationships with leading companies

across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones

were sold worldwide to over 250 major network operators, bringing the total

number of Symbian smartphones shipped up to 30 September 2007 to 165 million.</p>

<p>Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan.

For more information, please visit [www.symbian.com](http://www.symbian.com).</p>

<p>CONTACT INFORMATION:<br>

Symbian Global Press Office<br>

Karen Hamblen<br>

+44 207 154 1707<br>

[press@symbian.com](mailto:press@symbian.com)

</p>

</body></html>

Found in path(s):

\* [/sqlite3-3-22-0-orig-www-1-tar-xz/www/pressrelease-20071212.html](http://sqlite3-3-22-0-orig-www-1-tar-xz/www/pressrelease-20071212.html)

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The source code for SQLite is in the public domain. No claim of copyright



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without a shared lock, other processes are free to modify the database

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Suppose the demo\_data.boundary field holds some proprietary data description

Found in path(s):

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# 1.466 cyrus-sasl 2.1.27~101-g0780600+dfsg-3ubuntu2

## 1.466.1 Available under license :

/\* CMU libsasl

\* Tim Martin

\* Rob Earhart

\* Rob Siemborski

\*/

/\*

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This package is an DES implementation written by Eric Young (eay@mincom.oz.au).

The implementation was written so as to conform with MIT's libdes.

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The reason behind this being stated in this direct manner is past experience in code simply being copied and the attribution removed from it and then being distributed as part of other packages. This implementation was a non-trivial and unpaid effort.

# 1.467 open-ldap 2.4.45+dfsg-1ubuntu1.1

## 1.467.1 Available under license :

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```
COPYING.other -*- org -*-
#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall
```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

-----  
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## 1.479 did-you-mean 1.2.0

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# 1.480 test 3.2.5

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# 1.494 requests 2.18.4

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# AppVeyor.yml from <https://github.com/ogrisel/python-appveyor-demo>

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build: off

environment:

matrix:

- PYTHON: "C:\Python27-x64"

PYTHON\_VERSION: "2.7.x"

PYTHON\_ARCH: "64"

TOXENV: "py27"

- PYTHON: "C:\\Python34-x64"  
PYTHON\_VERSION: "3.4.x"  
PYTHON\_ARCH: "64"  
TOXENV: "py34"

- PYTHON: "C:\\Python35-x64"  
PYTHON\_VERSION: "3.5.x"  
PYTHON\_ARCH: "64"  
TOXENV: "py35"

- PYTHON: "C:\\Python36-x64"  
PYTHON\_VERSION: "3.6.x"  
PYTHON\_ARCH: "64"  
TOXENV: "py36"

install:

# Install Python (from the official .msi of <http://python.org>) and pip when  
# not already installed.

- ps: if (-not(Test-Path(\$env:PYTHON))) { & \_appveyor\install.ps1 }

# Prepend newly installed Python to the PATH of this build (this cannot be  
# done from inside the powershell script as it would require to restart  
# the parent CMD process).

- "SET PATH=%PYTHON%;%PYTHON%\\Scripts;%PATH%"

# Check that we have the expected version and architecture for Python

- "python --version"

- "python -c \"import struct; print(struct.calcsize('P') \* 8)\""

# Upgrade to the latest version of pip to avoid it displaying warnings  
# about it being out of date.

- "pip install --disable-pip-version-check --user --upgrade pip"

- "C:\\MinGW\\bin\\mingw32-make"

test\_script:

- "C:\\MinGW\\bin\\mingw32-make coverage"

on\_success:

- "codecov -f coverage.xml"

# Contribution Guidelines

Before opening any issues or proposing any pull requests, please do the  
following:

1. Read our [Contributor's Guide](<http://docs.python-requests.org/en/latest/dev/contributing/>).
2. Understand our [development philosophy](<http://docs.python-requests.org/en/latest/dev/philosophy/>).



To get the greatest chance of helpful responses, please also observe the following additional notes.

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2. When filing bug reports about exceptions or tracebacks, please include the *\*complete\** traceback. Partial tracebacks, or just the exception text, are not helpful. Issues that do not contain complete tracebacks may be closed without warning.
3. Make sure you provide a suitable amount of information to work with. This means you should provide:
  - Guidance on *\*\*how to reproduce the issue\*\**. Ideally, this should be a *\*small\** code sample that can be run immediately by the maintainers. Failing that, let us know what you're doing, how often it happens, what environment you're using, etc. Be thorough: it prevents us needing to ask further questions.
  - Tell us *\*\*what you expected to happen\*\**. When we run your example code, what are we expecting to happen? What does "success" look like for your code?
  - Tell us *\*\*what actually happens\*\**. It's not helpful for you to say "it doesn't work" or "it fails". Tell us *\*how\** it fails: do you get an exception? A hang? A non-200 status code? How was the actual result different from your expected result?
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[run]

omit = requests/packages/\*

sudo: false

language: python

python:

- "2.6"

- "2.7"

- "3.4"

- "3.5"

- "3.6"

- # - "3.7-dev"

- # - "pypy" -- appears to hang

- # - "pypy3"

# command to install dependencies

install: "make"

# command to run tests

script:

- |

- if [[ "\$TRAVIS\_PYTHON\_VERSION" != "2.6" ]] ; then make test-readme; fi

- make ci

cache: pip

jobs:

include:

- stage: test

- script:

- |

- if [[ "\$TRAVIS\_PYTHON\_VERSION" != "2.6" ]] ; then make test-readme; fi

- make ci

- stage: coverage

- python: 3.6

- script: codecov

Modifications:

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-e .[socks]

pytest>=2.8.0

codecov

pytest-httpbin==0.0.7

pytest-mock

pytest-cov

pytest-xdist

alabaster

readme\_renderer

Sphinx<=1.5.5

PySocks

setuptools>=18.5

docutils

flake8

tox

detox

Summary.

## Expected Result

What you expected.

## Actual Result

What happened instead.

## Reproduction Steps

```
```python
import requests

...

```

System Information

```
$ python -m requests.help

...
<paste here>
...

```

This command is only available on Requests v2.16.4 and greater. Otherwise, please provide some basic information about your system (Python version, operating system, &c).

1.495 python-certifi 2018.1.18

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

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

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

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

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

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

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

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

1.496 urllib3 1.22

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

1.497 pyOpenSSL 17.5.0

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1.498 click 6.7

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1.500 python-debian 0.1.32

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1.504 grub2 2.02-2ubuntu8.23

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1.506 armon-go-metrics 1.1.9

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Version 3, 29 June 2007

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1.513 ubuntu-advantage-tools 27.0

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1.517 pam 1.1.8-3.6ubuntu2.18.04.3

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c

+++ pam.ubuntu/modules/pam_motd/pam_motd.c

@@ -73,6 +73,61 @@

close(fd);

}

+int display_legal(pam_handle_t *pamh)

+{

+ int retval = PAM_IGNORE, rc;

+ char *user = NULL;

+ char *dir = NULL;

+ char *flag = NULL;

+ struct passwd *pwd = NULL;

+ struct stat s;

```

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

```

```

+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+   /* Display the legal disclaimer only if necessary */
+   retval = display_legal(pamh);
+
    return retval;
}
This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

```

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

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1.518 linux-kernel 5.4.0-73-generic

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1.520 dhcp 4.3.5-3ubuntu7.3

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1.522 linux-hwe-5.4 5.4.0-73.82~18.04.1

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1.529 jinja2 2.10

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1.530 openssl 1.1.1-1ubuntu2.1~18.04.13

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1.531 openjdk-jre 1.8.0u192

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ASM Bytecode Manipulation Framework v7.0

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Little Color Management System (LCMS) v2.9

LCMS License

<pre>

Little Color Management System

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Mesa 3-D graphics library

Version: 5.0

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JLine v3.9.0

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```

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```
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```

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<signature of Ty Coon>, 1 April 1989
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The End

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past and future changes. (new: src/libgrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
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mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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

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=====

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1.537 perks 1.0.1

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1.539 gogoprotobuf 1.3.2

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Protocol Buffers for Go with Gadgets

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

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1.540 grpc-go 1.38.0

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1.541 zap 1.18.1

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1.542 josharian-intern 1.0.0

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1.543 viper 1.8.1

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1.544 go-uber-org-multierr 1.7.0

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1.545 prometheus-procfs 0.6.0

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1.547 go.uber.org/atom 1.8.0

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1.548 openzipkin-zipkin-go 0.2.5

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1.549 x-crypto 0.0.0-20210616213533-5ff15b29337e

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1.550 zap 1.17.0

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1.551 golang-genproto 0.0.0-20210602131652-f16073e35f0c

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1.552 x-time-rate 0.0.0-20210723032227-1f47c861a9ac

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1.553 prometheus-common 0.10.0

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

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Protocol Buffers for Go with Gadgets

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

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1.563 golang-glog 0.0.0-20210429001901-424d2337a529

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1.565 go-errors-errors 1.0.2

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1.566 go-asn1-ber-asn1-ber 1.5.3

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1.567 pkg-sftp 1.13.0

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1.568 jaeger-lib 2.4.1+incompatible

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1.569 fiorix-go-diameter 3.0.2+incompatible

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#

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#

Use the following command to generate the list

#

git shortlog -se | awk '{print \$2 " " \$3 " " \$4}'

#

and do appropriate cleanups.

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1.570 ishidawataru-sctp 0.0.0- 20210226210310-f2269e66cdee

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1.571 openzipkin-contrib-zipkin-go-opentracing 0.4.5

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1.572 go-bgp 0.0.0-20210302053313-5960e8ebd1e3

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1.573 go-ldap-ldap 3.3.0

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1.574 grpc-go 1.31.0

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1.576 eapache-channels 1.1.0

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1.577 x-crypto 0.0.0-20210513164829-c07d793c2f9a

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1.580 prometheus-common 0.30.0

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1.582 go-systemd 0.0.0-20190321100706-95778dfbb74e

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1.584 grpc-ecosystem-go-grpc-middleware

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```
# This is the official list of people who can contribute
# (and typically have contributed) code to the Go repository.
# The AUTHORS file lists the copyright holders; this file
# lists people. For example, Google employees are listed here
# but not in AUTHORS, because Google holds the copyright.
#
# Names should be added to this file only after verifying that
# the individual or the individual's organization has agreed to
# the appropriate Contributor License Agreement, found here:
#
#   http://code.google.com/legal/individual-cla-v1.0.html
#   http://code.google.com/legal/corporate-cla-v1.0.html
#
# The agreement for individuals can be filled out on the web.

# Names should be added to this file like so:
```


Individual's name <submission email address>
Individual's name <submission email address> <email2> <emailN>

An entry with multiple email addresses specifies that the
first address should be used in the submit logs and
that the other addresses should be recognized
as the
same person when interacting with Gerrit.

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1.587 go-bgp 2.19.0+incompatible

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1.589 k-sone-critbitgo 1.4.0

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1.590 netns 0.0.0-20210104183010-2eb08e3e575f

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1.591 x-crypto 0.0.0-20210711020723-a769d52b0f97

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1.592 prometheus-procfs 0.7.1

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1.594 x-sys 0.0.0-20210611083646- a4fc73990273

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1.595 ishidawataru-sctp 0.0.0- 20210707070123-9a39160e9062

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1.596 evanphx-json-patch 0.5.3- 0.20210601025549-3e2cfc05e32a

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1.604 linux-libc-dev 4.15.0-166.174

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

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

*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

* <http://www.hypermall.com/>

* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

* interrupts us (except possibly for removal/insertion of the cable?)

* 10/4/97 - began heavy inline documentation of the code. Corrected typos

* and spelling mistakes.

* 10/5/97 - added code to handle PHY interrupts, disable PHY on

* loss of link, and correctly re-enable PHY when link is

* re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*/

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

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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

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.616 python 3.6.7-1~18.04

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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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		
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes

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1.617 fsnotify 1.4.9

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1.618 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).

*/

1.619 json-java 20210307

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1.620 protobuf 1.27.1

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1.621 gotenv 1.2.0

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

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1.634 htop 2.1.0-3

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Upstream-Name: htop

Upstream-Contact: Hisham Muhammad <lode@gobolinux.org>

Source: <http://hisham.hm/htop/releases/>

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1.635 zerofree 1.0.4-1

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1.643 dbus-python 1.2.6-1

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1.649 libnettle6 3.4.1-0ubuntu0.18.04.1

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.

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The C implementation is by Nippon Telegraph and Telephone Corporation (NTT), heavily modified by Niels Mller. Assembler for x86 and x86_64 by Niels Mller. Released under the LGPL.

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CAST128

The implementation of the CAST128 cipher is written by Steve Reid. Released into the public domain.

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MD5

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SHA224, SHA256, SHA384, and SHA512

Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

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TWOFISH

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ARCFOUR

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BLOWFISH

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CAMELLIA

The C implementation is by Nippon Telegraph and Telephone Corporation (NTT), heavily modified by Niels Mller. Assembler for x86 and x86_64 by Niels Mller. Released under the LGPL.

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CAST128

The implementation of the CAST128 cipher is written by Steve Reid. Released into the public domain.

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DES

The implementation of the DES cipher is written by Dana L. How, and released under the LGPL.

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MD2

The implementation of MD2 is written by Andrew Kuchling, and hacked some by Andreas Sigfridsson and Niels Mller. Python Cryptography Toolkit license (essentially public domain).

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MD4

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MD5

The implementation of the MD5 message digest is written by Colin Plumb. It has been hacked some more by Andrew Kuchling and Niels Mller. Released into the public domain.

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SERPENT

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SHA1

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SHA224, SHA256, SHA384, and SHA512

Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

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TWOFISH

The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

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RSA

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1.651 zope-interface 4.3.2-1build2

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1.652 argon2 0~20161029-1.1

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1.655 go-toml 1.9.3

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[localtime.go](https://github.com/pelletier/localtime.go), [localtime_test.go](https://github.com/pelletier/localtime.test.go):

Originals:

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go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go

Changes:

- * Renamed files from civil* to localtime*.
- * Package changed from civil to toml.
- * 'Local' prefix added to all structs.

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- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/MIMEConfig.java
- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/MIMEParser.java
- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/CleanUpExecutorFactory.java
- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/FinalArrayList.java
- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/MIMEMessage.java
- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/DecodingException.java
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- * /mimepull-1-9-6-sources-8-jar/org/jvnet/mimepull/ASCIIUtility.java
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