



Open Source Used In Cloud Native 5G Mobile - AMF AMF 2022.02 FCS

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1.380 liberror-perl 0.17025-1
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1.531 openzipkin-zipkin-go 0.2.5

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1.602 x-net 0.0.0-20211029224645-99673261e6eb

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1.603 github.com/bits-and-blooms/bitset 1.2.0

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1.604 x-crypto 0.0.0-20210513164829-c07d793c2f9a

1.604.1 Available under license

1.605 log4j-api 2.17.1

1.605.1 Available under license

1.606 apache-log4j 2.17.1

1.606.1 Available under license

1.607 github.com/eapache/channels 1.1.0

1.607.1 Available under license

1.608 x-crypto 0.0.0-20210711020723-a769d52b0f97

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1.609 apache-http-server 2.4.29-1ubuntu4.21

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1.610 x-sys 0.0.0-20210630005230-0f9fa26af87c

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1.611 gopkg-in-ldap-v2 2.5.1

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1.612 libseccomp 2.5.1-1ubuntu1~18.04.2

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1.613 chardet 3.0.4

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1.614 apacheutils 2.4.29-1ubuntu4.21

1.614.1 Available under license

1.615 prometheus-client 1.5.1

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1.616 jackson-annotations 2.10.0

1.616.1 Available under license

1.617 generex 1.0.2

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1.618 zjsonpatch 0.3.0

1.618.1 Available under license

1.619 shadow 4.5-1ubuntu2.2

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1.620 logging-interceptor 3.12.6

1.620.1 Available under license

1.621 kubernetes-model-common 4.6.3

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1.622 kubernetes-client 4.6.3

1.622.1 Available under license

1.623 kubernetes-model 4.6.3

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1.624 libpcap-dev 1.8.1-6ubuntu1.18.04.2

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1.625 libpcap0.8-dev 1.8.1-6ubuntu1.18.04.2

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1.626 coreos-etcd 3.3.15+incompatible

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1.627 jackson-dataformat-yaml 2.10.0

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1.628 x-net 0.0.0-20210525063256-abc453219eb5

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1.629 openjdk-jre 1.8.0u322

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1.630 openjsse 1.1.9

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1.631 legacy8ujsse 1.1.4

1.631.1 Available under license

1.632 jdk-zulu 8.60.0.21

1.632.1 Available under license

1.633 grpc-websocket-proxy 0.0.0-20201229170055-e5319fda7802

1.633.1 Available under license

1.634 google-go-cmp 0.5.5

1.634.1 Available under license

1.635 resty 2.7.0

1.635.1 Available under license

1.636 cyrus-sasl 2.1.27~101-g0780600+dfsg-3ubuntu2.4

1.636.1 Available under license

1.637 glibc 2.27-3ubuntu1.5

1.637.1 Available under license

1.638 golang 1.17.8

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1.639 mhash 0.9.9.9

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1.640 apache2-data 2.4.29-1ubuntu4.21

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1.641 zulu 8.60.0.21-1

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1.643 openssl 1.0.2n-1ubuntu5.8

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1.644 openssl 1.1.1-1ubuntu2.1~18.04.15

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1.645 jdk-zulu 8.60.0.21-1

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1.646 tar 1.29b-2ubuntu0.3

1.646.1 Available under license

1.647 pkg-sftp 1.13.0

1.647.1 Available under license

1.648 viper 1.7.1

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1.649 gopsutil 2.20.6+incompatible

1.649.1 Available under license

1.650 jaeger-client-go 2.22.1+incompatible

1.650.1 Available under license

1.651 pkg 0.0.0-20180108230652-97fdf19511ea

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1.652 apache-http-server 2.4.29-1ubuntu4.22

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1.653 google-uuid 1.1.2

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1.654 afero 1.6.0

1.654.1 Available under license

1.655 github.com/k-sone/critbitgo 1.4.0

1.655.1 Available under license

1.656 coreos-bbolt 1.3.4

1.656.1 Available under license

1.657 github.com/osrg/gobgp 0.0.0-20210302053313-5960e8ebd1e3

1.657.1 Available under license

1.658 metrics 1.17.2

1.658.1 Available under license

1.659 github.com/nmcclain/asn1-ber 0.0.0-20170104154839-2661553a0484

1.659.1 Available under license
1.660 github.com/dgryski/go-farm 0.0.0-20200201041132-a6ae2369ad13
1.660.1 Available under license
1.661 github.com/k-sone/critbitgo 1.3.1-0.20191024122315-48c9e1530131
1.661.1 Available under license
1.662 [go-etcd-io-bbolt](https://github.com/coreos/etcd) 1.3.4
1.662.1 Available under license
1.663 github.com/ik4d4/trylock 0.0.0-20191027065348-ff7e133a5c54
1.663.1 Available under license
1.664 [smat](https://github.com/robertkrimen/ast) 0.2.0
1.664.1 Available under license
1.665 github.com/go-ole/go-ole 1.2.5
1.665.1 Available under license
1.666 github.com/nmcclain/ldap 0.0.0-20191021200707-3b3b69a7e9e3
1.666.1 Available under license
1.667 github.com/ishidawataru/sctp 0.0.0-20210707070123-9a39160e9062
1.667.1 Available under license
1.668 github.com/osrg/gobgp 2.19.0+incompatible
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1.669 github.com/fiorix/go-diameter 3.0.2+incompatible
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1.670 github.com/ishidawataru/sctp 0.0.0-20210226210310-f2269e66cdee
1.670.1 Available under license
1.671 [golang-org-x-tools](https://github.com/golang-org-x-tools) 0.1.4
1.671.1 Available under license
1.672 [hdrhistogram-go](https://github.com/hdrhistogram-go) 1.1.0
1.672.1 Available under license
1.673 github.com/stackexchange/wmi 0.0.0-20190523213315-cbe66965904d
1.673.1 Available under license
1.674 [viper](https://github.com/viper) 1.8.1
1.674.1 Available under license
1.675 [golang-org-x-tools](https://github.com/golang-org-x-tools) 0.1.5
1.675.1 Available under license
1.676 [metrics](https://github.com/metrics) 1.17.3
1.676.1 Available under license
1.677 github.com/nmcclain/ldap 0.0.0-20210720162743-7f8d1e44eeba
1.677.1 Available under license
1.678 github.com/roaringbitmap/roaring 0.9.2
1.678.1 Available under license

1.679 x-sys 0.0.0-20210608053332-aa57babbf139

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1.680 x-sys 0.0.0-20210611083646-a4fc73990273

1.680.1 Available under license

1.681 github.com/stackexchange/wmi 1.2.1

1.681.1 Available under license

1.682 metrics 1.18.1

1.682.1 Available under license

1.683 hdrhistogram-go 1.1.2

1.683.1 Available under license

1.684 check 1.0.0-20200227125254-8fa46927fb4f

1.684.1 Available under license

1.685 pretty 0.0.0-20200227124842-a10e7caefd8e

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1.686 capnslog 0.0.0-20180108230652-97fdf19511ea

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1.687 roaring 0.9.2

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1.688 x-net 0.0.0-20210726213435-c6fcb2dbf985

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1.689 groupcache 0.0.0-20200121045136-8c9f03a8e57e

1.689.1 Available under license

1.690 jwt-go 3.2.0+incompatible

1.690.1 Available under license

1.691 goprotobuf 1.3.5

1.691.1 Available under license

1.692 python 3.6.7-1~18.04

1.692.1 Available under license

1.693 zlib 1.2.11

1.693.1 Available under license

1.694 json-java 20210307

1.694.1 Available under license

1.695 go-yaml 2.4.0

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1.696 protobuf 1.27.1

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1.697 packaging 16.8

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1.698 colorama 0.3.7

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1.699 wsgiref 0.1.2

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1.700 openssl 1.1.1l

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1.701 pyyaml 5.4.1

1.701.1 Available under license

1.702 activation-api 1.2.1

1.702.1 Available under license

1.703 go.uber.org/atomi 1.9.0

1.703.1 Available under license

1.704 yaml 1.2.0

1.704.1 Available under license

1.705 prometheus-client 0.2.0

1.705.1 Available under license

1.706 markupsafe 1.0-1build1

1.706.1 Available under license

1.707 libutempter 1.1.6-3

1.707.1 Available under license

1.708 htop 2.1.0-3

1.708.1 Available under license

1.709 zerofree 1.0.4-1

1.709.1 Available under license

1.710 libksba 1.3.5-2

1.710.1 Available under license

1.711 shared-mime-info 1.9-2

1.711.1 Available under license

1.712 mtr 0.92-1

1.712.1 Available under license

1.713 apr-util 1.6.1-2

1.713.1 Available under license

1.714 apr 1.6.3-2

1.714.1 Available under license

1.715 rtmpdump 2.4+20151223.gitfa8646d.1-1

1.715.1 Available under license

1.716 libmnl 1.0.4-2

1.716.1 Available under license

1.717 libnfnetwork 1.0.1-3

1.717.1 Available under license

1.718 libnetfilter-contrack 1.0.6-2

1.718.1 Available under license

1.719 dbus-python 1.2.6-1

1.719.1 Available under license

1.720 readline 7.0-3

1.720.1 Available under license

1.721 bc 1.07.1-2

1.721.1 Available under license

1.722 libnl3 3.2.29-0ubuntu3

1.722.1 Available under license

1.723 libnettle6 3.4.1-0ubuntu0.18.04.1

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1.724 libnettle6 3.4-1ubuntu0.1

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1.725 zope-interface 4.3.2-1build2

1.725.1 Available under license

1.726 argon2 0~20161029-1.1

1.726.1 Available under license

1.727 yaml 1.3.0

1.727.1 Available under license

1.728 go.uber.org/atomic 1.7.0

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1.729 gopkg.in/yaml 2.4.0

1.729.1 Available under license

1.730 mime-pull 1.9.6

1.730.1 Available under license

1.731 gorilla 1.4.2

1.731.1 Available under license

1.732 cmux 0.1.5

1.732.1 Available under license

1.733 intern 1.0.0

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

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

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

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

DOCUMENTATION

ROADMAP

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This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

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

Programmer and internal

documentation:

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

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

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

OVERVIEW

=====

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

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

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

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG

decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

LEGAL ISSUES

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In plain English:

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

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

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All Rights Reserved except as specified below.

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unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.

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

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

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

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

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

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

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

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

code.

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

We are required to state that

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

REFERENCES

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We

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

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

A somewhat less technical, more

leisurely introduction to JPEG can be found in

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

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

and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The

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

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

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

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

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

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

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

uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

ARCHIVE LOCATIONS

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

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

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

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

files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites,

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

Unfortunately 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

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

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

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

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

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

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed,

one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

=====

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

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

As always, speeding things up is of great interest.

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

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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1.4 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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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  
* Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>  
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*/
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1.8 animal-sniffer-annotation 1.14

1.8.1 Available under license :

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link rel="shortcut icon" href="https://opensource.org/files/osi_favicon.png" type="image/png" />
  <meta name="HandheldFriendly" content="true" />
  <link rel="shortlink" href="/node/66" />
  <meta name="Generator" content="Drupal 7 (http://drupal.org)" />
  <link rel="canonical" href="/licenses/MIT" />
  <meta name="MobileOptimized" content="width" />
  <title>The MIT License | Open Source Initiative</title>
  <link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_xE-rWrJf-fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
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media="all" />
  <link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_KGZcOm3i1wmtbgZsjo-3V9FM4wZ-5UDcpJ7Vfzmt45E.css" media="all" />
  <link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_G9cu63kkDQ56GYuF3QrqJxma5HT-bUVZckUWKUzFCF4.css"
media="all" />

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

  <!-- HTML5 element support for IE6-8 -->
  <!--[if lt IE 9]>
    <script src="//html5shiv.googlecode.com/svn/trunk/html5.js"></script>
  <![endif]-->
  <script type="text/javascript" src="//code.jquery.com/jquery-1.10.2.min.js"></script>
  <script type="text/javascript">
  <!--/--><![CDATA[//><!--
window.jQuery || document.write("<script
```



```

src='/sites/all/modules/jquery_update/replace/jquery/1.10/jquery.min.js'>\x3C/script>")
//--><![]]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_aczm2rRgH_slWBPnvD3KMrK7rwa1i99HOq8IUAb99Co.js"></script>
<script type="text/javascript" src="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js"></script>
<script type="text/javascript">
<!--/--><![CDATA[//><!--
jQuery(document).ready(function($) {
  $(window).scroll(function() {
    if($(this).scrollTop() != 0) {
      $("#toTop").fadeIn();
    } else {
      $("#toTop").fadeOut();
    }
  });

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

});
//--><![]]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_ruOYJN6FkJU2O5L1dAKVnDloSn5R6LjnLW88zFxS1Uw.js"></script>
<script type="text/javascript" src="https://opensource.org/files/js/js_JQHTvV_SkyFlN3f2BnQwnusF-
eI6tkX8wrKAk2siiZU.js"></script>
<script type="text/javascript">
<!--/--><![CDATA[//><!--
jQuery.extend(Drupal.settings,
{
  "basePath":"","pathPrefix":"","ajaxPageState":{"theme":"bootstrap_business","theme_token":"s2vZViqeD3l9Fq1
EBk624uZGzbS0vJ_7HPPuTvDaaeA"},"js":{"\\code.jquery.com\\jquery-
1.10.2.min.js":1,"0":1,"misc\\jquery.once.js":1,"misc\\drupal.js":1,"\\maxcdn.bootstrapcdn.com\\bootstrap\\3.2.0\\js
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ules\\superfish\\superfish.js":1,"sites\\all\\themes\\bootstrap-
business\\js\\jquery.browser.min.js":1},"css":{"modules\\system\\system.base.css":1,"modules\\system\\system.men
us.css":1,"modules\\system\\system.messages.css":1,"modules\\system\\system.theme.css":1,"modules\\aggregator\\
aggregator.css":1,"modules\\comment\\comment.css":1,"modules\\field\\theme\\field.css":1,"sites\\all\\modules\\mol
lom\\mollom.css":1,"modules\\node\\node.css":1,"modules\\search\\search.css":1,"modules\\user\\user.css":1,"sites\\
all\\modules\\views\\css\\views.css":1,"sites\\all\\modules\\ctools\\css\\ctools.css":1,"\\maxcdn.bootstrapcdn.com\\
bootstrap\\3.2.0\\css\\bootstrap.min.css":1,"sites\\all\\libraries\\superfish\\css\\superfish.css":1,"sites\\all\\themes\\bo
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license.php":true},"superfish":{"1":{"id":"1","sf":{"animation":{"opacity":"show","height":"show"},"speed":"u002

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lse,"title":"Navigation"},"supposition":true,"bgiframe":false,"supersubs":{"minWidth":"12","maxWidth":"27","extr
aWidth":1}}}}});
//--><![]]>
</script>
</head>
<body
class="html not-front not-logged-in no-sidebars page-node page-node- page-node-66 node-type-page" >
<div id="skip-link">
  <a href="#main-content" class="element-invisible element-focusable">Skip to main content</a>
</div>
  <div id="toTop"><span class="glyphicon glyphicon-chevron-up"></span></div>

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

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

        <div class="col-md-8">
          <!-- #header-top-left -->
          <div id="header-top-left" class="clearfix">
            <div class="region region-header-top-left">

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

                <div class="content">
                  <ul class="menu"><li class="first leaf"><a href="/" title="">Home</a></li>
<li class="leaf"><a href="/blog" title="">From the Board</a></li>
<li class="leaf"><a href="/contact" title="">Contact</a></li>
<li class="last leaf"><a href="/civicrm/contribute/transact?reset=1&id=2" title="">Donate</a></li>
</ul> </div>
                </div>
              </div>
            <!-- EOF:#header-top-left -->
          </div>

          <div class="col-md-4">
            <!-- #header-top-right -->
            <div id="header-top-right" class="clearfix">
              <div class="region region-header-top-right">

```

```

<div id="block-search-form" class="block block-search clearfix">

<div class="content">
  <form action="/licenses/mit-license.php" method="post" id="search-block-form" accept-charset="UTF-
8"><div><div class="container-inline">
    <h2 class="element-invisible">Search form</h2>
    <div class="form-item form-type-textfield form-item-search-block-form">
<input onblur="if (this.value == &#039;&#039;) {this.value = &#039;Search this website...&#039;;}" onfocus="if
(this.value == &#039;Search this website...&#039;) {this.value = &#039;&#039;;}" type="text" id="edit-search-
block-form--2" name="search_block_form" value="Search this website..." size="15" maxlength="128"
class="form-text" />
</div>
<div class="form-actions form-wrapper" id="edit-actions"><input value="" type="submit" id="edit-submit"
name="op" class="form-submit" /></div><input type="hidden" name="form_build_id" value="form-
3fdl1mgwpFzazdhVEs8DfK2cR3DKGD4vTlh3TguBqjQ" />
<input type="hidden" name="form_id" value="search_block_form" />
</div>
</div></form> </div>
</div>
</div>
    </div>
    <!-- EOF:#header-top-right -->
  </div>

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

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

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

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

          <div id="logo">
            <a href="/" title="Home" rel="home">  </a>
          </div>

```

```

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

    </div>

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

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

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

<!-- #main-navigation -->
<div id="main-navigation" class="clearfix">
    <div class="container">

        <!-- #main-navigation-inside -->
        <div id="main-navigation-inside" class="clearfix">
            <div class="row">
                <div class="col-md-12">
                    <nav role="navigation">
                        <div class="region region-navigation">
<div id="block-superfish-1" class="block block-superfish clearfix">

<div class="content">
    <ul id="superfish-1" class="menu sf-menu sf-navigation sf-horizontal sf-style-none sf-total-items-6 sf-parent-
items-6 sf-single-items-0"><li id="menu-37-1" class="first odd sf-item-1 sf-depth-1 sf-total-children-4 sf-parent-
children-2 sf-single-children-2 menuparent"><a href="/about" title="About the Open Source Initiative" class="sf-
depth-1 menuparent">About</a><ul><li id="menu-75-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a
href="/history" title="History
of the OSI" class="sf-depth-2">History</a></li><li id="menu-82-1" class="middle even sf-item-2 sf-depth-2 sf-
total-children-7 sf-parent-children-0 sf-single-children-7 menuparent"><a href="/board" title="Board of Directors"
class="sf-depth-2 menuparent">Board</a><ul><li id="menu-83-1" class="first odd sf-item-1 sf-depth-3 sf-no-
children"><a href="/docs/board-annotated" title="OSI Board -- With Annotations" class="sf-depth-3">Board -
Annotated</a></li><li id="menu-96-1" class="middle even sf-item-2 sf-depth-3 sf-no-children"><a
href="/minutes" title="Public Minutes of Board Meetings" class="sf-depth-3">Minutes</a></li><li id="menu-185-
1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a href="/organization" title="These portfolios represent
the activities of the current OSI board." class="sf-depth-3">Organization & Operations</a></li><li id="menu-95-1"
class="middle even sf-item-4 sf-depth-3 sf-no-children"><a href="/articles-of-incorporation" title="OSI

```


children">Join<li id="menu-675-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-3 sf-parent-children-0 sf-single-children-3 menuparent">Affiliates<li id="menu-676-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Become an Affiliate<li id="menu-677-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">List of Affiliates<li id="menu-2071-1" class="last odd sf-item-3 sf-depth-3 sf-no-children">Affiliate Criteria<li id="menu-1436-1" class="last odd sf-item-3 sf-depth-2 sf-no-children">Sponsors & Support<li id="menu-1841-1" class="middle even sf-item-4 sf-depth-1 sf-total-children-4 sf-parent-children-1 sf-single-children-3 menuparent">Community<li id="menu-63-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent">Mailing lists<li id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">General Code of Conduct<li id="menu-1072-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Licensing Code of Conduct<li id="menu-2111-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Disclaimer for OSI Public Forums<li id="menu-2110-1" class="last even sf-item-4 sf-depth-3 sf-no-children">Policy on Public Communications and Archives<li id="menu-2032-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Volunteers<li id="menu-1846-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Wiki<li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children">OSI Store<li id="menu-1840-1" class="middle odd sf-item-5 sf-depth-1 sf-total-children-5 sf-parent-children-1 sf-single-children-4 menuparent">Resources<li id="menu-342-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">FAQ<li id="menu-38-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">OSI Board Blog<li id="menu-45-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Getting Help<li id="menu-76-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Bibliography<li id="menu-125-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Open Source Case for Business<li id="menu-1514-1" class="middle even sf-item-4 sf-depth-2 sf-no-children">Working Groups<li id="menu-12-1" class="last odd sf-item-5 sf-depth-2 sf-no-children">Open Source Education<li id="menu-1844-1" class="last even sf-item-6 sf-depth-1 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">News & Events<li id="menu-1845-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a href="/newsletters" title="Index of

```

newsletters" class="sf-depth-2">Newsletters</a></li><li id="menu-1999-1" class="last even sf-item-2 sf-depth-2
sf-no-children"><a href="/events" class="sf-depth-2">Events</a></li></ul></li></ul> </div>
</div>
</div>
</nav>
</div>
</div>
</div>
<!-- EOF: #main-navigation-inside -->

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

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

<!-- #main-content -->
<div id="main-content">
  <div class="container">

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

    <div class="row">

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

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

          <!-- EOF:#content-wrapper -->
          <div id="content-wrapper">

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

            <!-- #tabs -->
            <div class="tabs">

```

```

</div>

<!-- EOF: #tabs -->

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

<div class="region region-content">
<div id="block-system-main" class="block block-system clearfix">

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

<div class="content">
  <div class="field field-name-body field-type-text-with-summary field-label-hidden"><div class="field-
items"><div class="field-item even"><p style="font-weight:bold">
SPDX short identifier: MIT
</p>

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

<p id="demo"></p>

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

function myFunction() {
  var x;
  if (confirm("Disclaimer: While the OSI acknowledges these as potentially helpful resources for the community,
it does not endorse any content, contributors or license interpretations from these websites. Any links to these
resources across opensource.org are solely for navigational purposes. The OSI does not promote or exclusively favor
any of the mentioned resources, but instead provides them as separate third-party resource to help inform your
opinion. Any content from or links to these resources are separate from the OSI, exist for purely informational
purposes and creates no attorney-client relationship between you, the OSI or the resources. If you have questions
about how licenses apply to you or your organization, you should seek legal advice. ") == true) {
    x = "<br><p>The following are other community resources that may be helpful:<br><br><a
href=https://tldrlegal.com/license/mit-license style='font-weight: bold;'>The MIT License on TLDRLegal<br><a
href=http://www.gnu.org/licenses/license-list.en.html>GNU License List<br><a
href=https://en.wikipedia.org/wiki/Comparison_of_free_and_open-source_software_licenses>Wikipedia
License List<br><a href=http://oss-watch.ac.uk/apps/licdiff/>OSSWatch License Diff<br><a
href=choosealicense.com>Choosealicense";
  } else {
    x = " ";
  }
  document.getElementById("demo").innerHTML = x;
}

```



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

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</div></div></div> </div>

```
</article> </div>
</div>
</div>
```

```
</div>
<!-- EOF:#content-wrapper -->
```

```
</div>
<!-- EOF:#main -->
```

```
</section>
```

```
</div>
```

```
</div>
</div>
```

```

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

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

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

    <!-- #subfooter-inside -->
    <div id="subfooter-inside" class="clearfix">
      <div class="row">
        <div class="col-md-12">
          <!-- #subfooter-left -->
          <div class="subfooter-area">

            <div class="region region-footer">
              <div id="block-block-11" class="block block-block clearfix">

<div class="content">
  <div class="filler" style="vertical-align: middle; display: inline-block;">
<p style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;">
<a href="https://twitter.com/OpenSourceOrg" style="margin: 0pt auto; display: table-cell; text-align: center;
vertical-align: middle;"></a>

<a href="https://plus.google.com/+opensourceinitiative" style="margin: 0pt auto; display: table-cell; text-align:
center; vertical-align: middle;"></a>

<a href="https://www.linkedin.com/company/open-source-initiative-osi-" style="margin: 0pt auto; display: table-
cell; text-align: center; vertical-align: middle;"></a>

<a href="http://wiki.opensource.org" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align:
middle;"></a>

<a href="http://creativecommons.org/licenses/by/4.0/" style="margin: 0pt auto; display: table-cell; text-align:
center; vertical-align: middle;"></a>

<script id="fbwiuwz">
<!--/--><![CDATA[// ><!--
(function(i){var

```

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

```
<br /><div class="license" style="vertical-align: middle; display: inline-block;">
<p>
Opensource.org site content is licensed under a <a rel="license"
href="http://creativecommons.org/licenses/by/4.0/">Creative Commons Attribution 4.0 International License</a>.
</p>
<p>
<a href="..ToS">Terms of Service</a>
</p>
</div>
</div>
</div>
<div id="block-block-7" class="block block-block clearfix">
```

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

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

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

```
//--><![>
</script> </div>
</div>
</div>
```

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

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

</body>
</html>

1.9 readline 5.2+dfsg-3build1

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@end display

@enumerate 0
@item
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1.11 ssl-cert 1.0.39

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1.12 openssl 1.0.2k

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1.13 cdebconf 0.213ubuntu1

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CDebConf includes ideas and code from:

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1.14 mime-support 3.60ubuntu1

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Source: [git://anonscm.debian.org/collab-maint/mime-support.git](https://anonscm.debian.org/collab-maint/mime-support.git)

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1.16 j2objc-annotations 1.1

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 */
```

```
package java.security;
```

```
import java.io.Serializable;
```

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

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException { }

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

    public abstract String getActions();

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

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1.17 dash 0.5.8-2.10

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1.18 debianutils 4.8.4

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1.19 diffutils 3.6-1

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1.20 hostname 3.20

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1.21 libffi 3.2.1-8

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1.22 libsepol 2.7-1

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This package was debianized by Russell Coker <russell@coker.com.au> on Fri, 20 Aug 2004 17:26:18 +1000.

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Manoj Srivastava <srivasta@debian.org>
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1.23 sensible-utils 0.0.12

1.23.1 Available under license :

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Upstream-Name: sensible-utils
Upstream-Contact: Anibal Monsalve Salazar <anibal@debian.org>
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1.24 adduser 3.116ubuntu1

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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.

Since March 24 2004, it is maintained by Roland Bauerschmidt <rb@debian.org>, and co-maintained by Marc Haber <mh+debian-packages@zugschlus.de>

Since 23 Oct 2005, it has been maintained by Joerg Hoh <joerg@joerghoh.de>

Since June 2006, it has been maintained by Stephen Gran <sgran@debian.org>

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1.25 attr 2.4.47-2build1

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Sun, 19 Nov 2000 07:37:09 -0500.

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1.26 base-passwd 3.5.44

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1.27 coreutils 8.28-1ubuntu1

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

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

Changes:

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

Authors

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lib/rand-isaac.[ch]

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doc/coreutils.texi (The GNU Coreutils Manual)

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1.28 findutils 4.6.0+git+20170828-2

1.28.1 Available under license :

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

Debian maintainer history: The original package was put together by Ian Murdock <imurdock@debian.org>, afterwards Kevin Dalley <kevind@rahul.net> took over. 2003-07 Andreas Metzler <ametzler@debian.org> followed.

Upstream Authors:

* GNU find was written by Eric Decker <cire@cisco.com>, with enhancements by David MacKenzie <djm@gnu.org>, Jay Plett <jay@silence.princeton.nj.us>, and Tim Wood <axolotl!tim@toad.com>.

The idea for `-print0` and `xargs -0` came from Dan Bernstein <brnstdn@kramden.acf.nyu.edu>.

Improvements have been made by James Youngman <jay@gnu.org>.

* GNU xargs

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

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

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1.29 gzip 1.6-5ubuntu1

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1.30 libpwquality 1.4.0-2

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1.31 libsemanage-common 2.7-2build2

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1.32 lsb 9.20170808ubuntu1

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Upstream-Name: LSB implementation package

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1.33 mawk 1.3.3-17ubuntu3

1.34 sysv-init 2.88dsf-59.10ubuntu1

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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](http://sunsite.unc.edu/pub/Linux/system/daemons/init)
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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>,
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1.35 zlib 1.2.11.dfsg-0ubuntu2

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

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madler@alumni.caltech.edu

1.36 bsdmainutils 11.1.2ubuntu1

1.36.1 Available under license :

This is a collection of programs from 4.4BSD-Lite that have not (yet) been re-written by FSF as GNU. It was constructed for inclusion in Debian Linux. As programs found here become available from GNU sources, they will be replaced.

This package was originally put together by Austin Donnelly <and1000@debian.org>, but is heavily based on bsdutils, originally put together by Ian Murdock <imurdock@gnu.ai.mit.edu>. Please report any problems or suggested additions or changes to Austin Donnelly.

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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1.37 Isof 4.89+dfsg-0.1

1.37.1 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.

Files: *

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1996, Dominik Kubla <dominik@debian.org>

1997, Michael Meskes <meskes@debian.org>

1998-2002, Jim Mintha <jmintha@debian.org>

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

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

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Files: dialects/freebsd/include/procfs/pfsnode.h

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Files: dialects/darwin/libproc/dstore.c dialects/darwin/libproc/ddev.c dialects/darwin/libproc/dsock.c

dialects/darwin/libproc/dproc.c dialects/darwin/libproc/dproto.h dialects/darwin/libproc/dlsof.h

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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Files: regex.h lib/regex.c [portions thereof]

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1.38 console-setup 1.178ubuntu2.9

1.39 debconf 1.5.66ubuntu1

1.40 apparmor 2.12-4ubuntu5.1

1.40.1 Available under license :

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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.41 vixie-cron 3.0pl1-128.1ubuntu1

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*

/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

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

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

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

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- */

\$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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# */
```

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

1.42 acpid 2.0.28-1ubuntu1

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Version 2, June 1991

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1.44 at 3.1.20-3.1ubuntu2

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1.47 xfsprogs 4.9.0+nmu1ubuntu2

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```
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```

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1.50 xdelta 3.0.11-dfsg-1ubuntu1

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1.51 shadow 4.5-1ubuntu2

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1.52 libpng 1.6.34-1ubuntu0.18.04.2

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@page

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

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

@smallexample

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

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@end smallexample

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

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

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

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

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

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

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

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The

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1.57 mpdecimal 2.4.2-1ubuntu1

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1.58 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>

Files: *

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1.59 pyopenssl 17.5.0-1ubuntu1

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1.60 pyserial 3.4-2

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1.61 rsyslog 8.32.0-1ubuntu4

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1.62 libidn 1.33-2.1ubuntu1.2

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```
func initGpl2() {
```

```
    Licenses["gpl2"] = License{
```

```
        Name:      "GNU General Public License 2.0",
```

```
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
```

```
        Header: `
```

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}
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// Package legal provides in-process storage for compiled-in licenses.
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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        Version 2.0, January 2004
        http://www.apache.org/licenses/

```

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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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```
`  
,  
}  
}
```

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tomb - support for clean goroutine termination in Go.

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*/

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```
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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package cmd

```
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  Licenses["bsd"] = License{
    Name:      "NewBSD",
    PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
    Header: `All rights reserved.
```

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```
`  
}  
}
```

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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"},

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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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package cmd

func initGpl3() {

Licenses["gpl3"] = License{

 Name: "GNU General Public License 3.0",

 PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},

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

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

The "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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```
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```

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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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Version 3, 19 November 2007

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bmatsuo

shawnps

theory

jboverfelt

dsymonds

cd1

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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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<https://github.com/golang/protobuf>

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1.65 pciutils 3.5.2-1ubuntu1.1

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1.68 polkit 0.105-20ubuntu0.18.04.5

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1.69 policykit 0.105-20ubuntu0.18.04.5

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Version 2, June 1991

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Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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Date: Sat, 08 Jul 2000 20:27:21
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Date: Tue, 11 Jul 2000 19:31:34 +0100

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- d) Do one of the following:
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- 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time

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1.76 powermgmt-base 1.33

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1.77 keyutils 1.5.9-9.2ubuntu2

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it

free software which everyone can redistribute and change under these terms.

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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

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

```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

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

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 2.1, February 1999

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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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- 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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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.

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

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

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1.78 init-system-helpers 1.51

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1.79 xdg-user-dirs 0.17-1ubuntu1

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains
test data from <http://aspell.sourceforge.net/test/batch0.tab>.

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1.84 gson 2.8.2

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Found in path(s):

```
* /gson-2-8-2-sources-jar/com/google/gson/JsonSyntaxException.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/Streams.java
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- * /gson-2-8-2-sources-jar/com/google/gson/stream/JsonWriter.java
- * /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/LongSerializationPolicy.java

* /gson-2-8-2-sources-jar/com/google/gson/JsonStreamParser.java

* /gson-2-8-2-sources-jar/com/google/gson/FieldAttributes.java

* /gson-2-8-2-sources-jar/com/google/gson/JsonParser.java

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* /gson-2-8-2-sources-jar/com/google/gson/internal/UnsafeAllocator.java

* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/TreeTypeAdapter.java

* /gson-2-8-2-sources-jar/com/google/gson/internal/ConstructorConstructor.java

* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/DateTypeAdapter.java
*
/gson-2-8-2-sources-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
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* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /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
* /gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonTreeWriter.java
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* /gson-2-8-2-sources-jar/com/google/gson/annotations/JsonAdapter.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
* /gson-2-8-2-sources-jar/com/google/gson/JsonArray.java
* /gson-2-8-2-sources-jar/com/google/gson/DefaultDateTypeAdapter.java
*
* /gson-2-8-2-sources-jar/com/google/gson/internal/Excluder.java
* /gson-2-8-2-sources-jar/com/google/gson/reflect/TypeToken.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonNull.java
* /gson-2-8-2-sources-jar/com/google/gson/FieldNamingPolicy.java
* /gson-2-8-2-sources-jar/com/google/gson/annotations/Since.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonDeserializationContext.java
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* /gson-2-8-2-sources-jar/com/google/gson/internal/ObjectConstructor.java
* /gson-2-8-2-sources-jar/com/google/gson/FieldNamingStrategy.java
* /gson-2-8-2-sources-jar/com/google/gson/Gson.java
* /gson-2-8-2-sources-jar/com/google/gson/InstanceCreator.java
* /gson-2-8-2-sources-jar/com/google/gson/ExclusionStrategy.java
* /gson-2-8-2-sources-jar/com/google/gson/annotations/Expose.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonParseException.java

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* /gson-2-8-2-sources-jar/com/google/gson/JsonDeserializer.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonSerializationContext.java
*
/gson-2-8-2-sources-jar/com/google/gson/JsonElement.java
* /gson-2-8-2-sources-jar/com/google/gson/annotations/SerializedName.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonIOException.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonObject.java
* /gson-2-8-2-sources-jar/com/google/gson/JsonSerializer.java
* /gson-2-8-2-sources-jar/com/google/gson/internal/Primitives.java
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1.85 jaxb-core 2.2.11

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

```
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _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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```

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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 */

```

```

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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

```

1.90 chardet 3.0.4-1

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1.91 python-idna 2.6-1

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1.92 python-jsonpointer 1.10-1

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1.93 rubygems-integration 1.11

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1.94 ssh-import-id 5.7-0ubuntu1.1

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1.97 ruby-net-telnet 0.1.1-2

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

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1.99 python-oauthlib 2.0.6-1

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1.101 ruby-power-assert 0.3.0-1

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1.102 cloud-utils 0.30-0ubuntu5

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

Third-party Content

This project leverages the following third party content.

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

- * License: W3C
- * Project: <https://www.w3.org/Submission/ws-addressing/>
- * Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

- * License: Apache-2.0 AND SAX-PD AND W3C
- * Project: <https://ant.apache.org/>

* Source:
<http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

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

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commons-logging (1.1.2)

*
License: Apache-2.0
* Project: <https://commons.apache.org/proper/commons-logging/>
* Source:
<http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

* License: Eclipse Public License

maven-core (3.5.2)

* License: Apache-2.0

maven-plugin-annotations (3.5.1)

* License: Apache-2.0
* Project:
<https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>
* Source:
<https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

* License: Apache-2.0
* Project: <https://maven.apache.org/>
* Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

maven-resolver-api (1.1.1)

* License: Apache-2.0

maven-resolver-util (1.1.1)

* License: Apache-2.0

maven-settings (3.5.2)

* License: Apache-2.0

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

* License: Oasis Style

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

*

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

plexus-utils (3.1.0)

* License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)

relaxng-datatype (1.0)

* License: New BSD license

stax2-api (4.1)

* License: Pending

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

* Source:

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

testng (6.14.2)

* License: Apache-2.0 AND MIT

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

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

woodstox-core-asl (4.4.1)

* License: Apache-2.0

woodstox-core-asl (5.1.0)

* License: Apache-2.0

* Project: <https://github.com/FasterXML/woodstox>

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ws-addr.wsd (1.0)

- * License: W3C
- * Project: <https://www.w3.org/2005/08/addressing/>
- * Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

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

- * License:
Oasis Style
- * Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>
- * Source: <http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd>

wscor.xsd (1.0)

- * License: OASIS Style

wscor.xsd (1.1)

- * License: Oasis (Custom)
- * Project: <http://docs.oasis-open.org/ws-tx/wscor/2006/06>
- * Source:
<http://docs.oasis-open.org/ws-tx/wscor/2006/06/wstx-wscor-1.1-schema-200701.xsd>

wrm Version: 2005/02 (n/a)

- * License: Oasis (Custom)
- * Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>
- * Source:
<http://schemas.xmlsoap.org/ws/2005/02/rm/wrm.xsd>; <http://schemas.xmlsoap.org/ws/2005/02/rm/wrm-policy.xsd>

wrm.xsd (1.2)

- * License: Oasis

wstx-wsat.xsd (1.1)

- * License: Oasis (Custom)

xmlsec (1.5.8)

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

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1.106 lcms 2.9

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1.107 newt 0.52.20-1ubuntu1

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1.108 psmisc 23.1-1ubuntu0.1

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1.109 popularity-contest 1.66ubuntu1

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fffflxxlf`~~~~<<fff\$llllll||0`8ll8vv000`00000000f<<f~00`||8x~|0`|<|l8`|0000|||~x00`0~`00`|||8lfff|ffff<ff<lffffflfb
hxx`bffbxxh`~<ff:<<xfflxxlf`~~~~`bf||fff`~`||fff|lfff`8|~Z<|l8ll88|lfff<<0`<00000000<p8<<8l0x|v`~xlffff||<lv||62

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1.116 irqbalance 1.3.0-0.1ubuntu0.18.04.1

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1.117 command-not-found 18.04.5

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It was downloaded via bzip from
<https://code.launchpad.net/~zkrynicki/command-not-found/main>

The ubuntu source is at:
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Upstream Author: Zygmunt Krynicki <zkrynicki@gmail.com>

1.118 libnih 1.0.3-6ubuntu2

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1.121 lua 5.2.4

1.122 ruby-minitest 5.10.3-1

1.123 ruby-test-unit 3.2.5-1

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Any executables

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1.130 libprelude 4.1.0-4

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1.131 patch 2.7.6-2ubuntu1.1

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1.132 mlocate 0.26-2ubuntu3.1

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canonicalize-lgpl.m4 serial 4

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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)
])

```

1.133 iputils 20161105-1ubuntu3

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

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

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

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

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(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

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

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

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

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

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

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

- a) Accompany the

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

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

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

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

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

TERMS AND CONDITIONS

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

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To

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1. Source Code.

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

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

The "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

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model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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You need not require recipients to copy the

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If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{ }Texts."@: line with this:

@smallexample

@group

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@end group

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@c Local Variables:

@c ispell-local-pdict: "ispell-dict"

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Version 3, 29 June 2007

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1.151 libxslt 1.1.29-5ubuntu0.2

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1.152 httpcomponents-client 4.3.2

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```

```
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1.158 libxmu 1.1.2-2

1.158.1 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, libxmu1{,-dbg} and libxmu-dev don't need a
+   dependency on x11-common.
+ * Build libxmu-headers in binary-indep instead of binary-arch
+   (closes: #486418). Thanks, Martin Koeppe!
+ * Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
+ * Handle parallel builds.
+
+ [ Brice Goglin ]
+ * Add a link to www.X.org and a reference to the upstream module
+   in the long description.
+ * Add upstream URL to debian/copyright.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538587.

```

```

+ * Move -dbg packages to section debug.
+
+ -- Julien Cristau <jcristau@debian.org> Fri, 07 Aug 2009 14:30:36 +0200
+
+libxmu (2:1.0.4-1) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu-headers (= ${source:Version}). Thanks,
+ Josh Triplett.
+ * Don't export private
dependencies in xmu.pc and xmuu.pc. These
+ dependencies are handled by Requires.private.
+ * Due to the above, build-depend on quilt and apply the xsfbs patch rules.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Uploaders, and remove Branden and Fabio with their
+ permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/
+
+ [ Timo Aaltonen ]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 17 Jan 2008 14:57:47 +0100
+
+libxmu (1:1.0.3-1) unstable; urgency=low
+
+ * New upstream release.
+ * Install the upstream changelog.
+ * Remove outdated CVS information from the package descriptions, and add
+ XS-Vcs-Git and XS-Vcs-Browser.
+ * Fix package sections (libraries in libs, development stuff in libdevel).
+ * Use ${binary:Version} instead of ${Source-Version}.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 12 Apr 2007 13:40:07 +0200
+
+libxmu
(1:1.0.2-2) unstable; urgency=low
+
+ [ Andres Salomon ]
+ * Test for obj-$(DEB_BUILD_GNU_TYPE) before creating it during build;
+ idempotency fix.
+
+ [ Drew Parsons ]
+ * dbg package has priority extra.
+
+ -- David Nusinow <dnusinow@debian.org> Wed, 30 Aug 2006 16:53:25 -0400
+

```

```

+libxmu (1:1.0.2-1) experimental; urgency=low
+
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Run dh_install with --list-missing
+ * Version the -headers package's x11-common pre-dep to use version 1:7.0.0
+   to match the rest of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+
+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 18:43:32 -0400
+
+libxmu (1:1.0.1-3) unstable; urgency=low
+
+ * Reorder makeshlib command in rules file so that ldconfig is run
+   properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:59 -0400
+
+libxmu (1:1.0.1-2) unstable; urgency=low
+
+ * Upload to unstable
+
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:59 -0500
+
+libxmu (1:1.0.1-1) experimental; urgency=low
+
+ * First upload to Debian
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:53:53 -0500
+
+libxmu (1:6.2.3-5) breezy; urgency=low
+
+ * Also, libxmu-dev needs to depend on libxt-dev too.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Mon, 25 Jul 2005 09:43:47 +0000
+
+libxmu (1:6.2.3-4) breezy; urgency=low
+
+ * Bump libxt-dev build-dep once more, _XOPEN_SOURCE begone!
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 10:48:14 +0000
+
+libxmu (1:6.2.3-3) breezy; urgency=low
+
+ * Make libxmu-dev depend on libxext-dev, since libxmu links to it.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 07:56:02 +0000

```

```

+
+libxmu (1:6.2.3-2) breezy; urgency=low
+
+ * Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid
+ _XOPEN_SOURCE.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Sat, 23 Jul 2005 00:20:50 +1000
+
+libxmu
+(1:6.2.3-1) breezy; urgency=low
+
+ * First libxmu release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000
+--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
+--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ debhelper (>= 9),
+ dh-autoreconf,
+ libx11-dev (>= 1:0.99.2),
+ libxt-dev (>= 1:0.99.1),
+ libxext-dev (>= 1:0.99.1),
+ pkg-config,
+ quilt,
+ automake,
+ libtool,
+ xutils-dev (>= 1:7.6+2),
+ # devel-docs:
+ xmlto (>= 0.0.22),
+ xorg-sgml-doctools (>= 1:1.8),
+ w3m,
+Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgiit/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}, libxmu1 (= ${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/
+
+Copyright
+1989, 1998 The Open Group
+

```

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+

+-----

+

+Xmu/StrToBmap.c and Xmu/GrayPixmap.c also have:

+

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+

+-----

+

```

+And Xmu/Clip.c has:
+
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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/xmuu.pc
--- libxmu-1.1.2.orig/debian/libxmuu1.install
+++ libxmu-1.1.2/debian/libxmuu1.install
@@ -0,0 +1 @@
+usr/lib/*/libXmuu.so.1*
--- libxmu-1.1.2.orig/debian/patches/01_dont_export_private_deps.diff
+++ libxmu-1.1.2/debian/patches/01_dont_export_private_deps.diff
@@ -0,0 +1,26 @@
+diff --git a/xmu.pc.in b/xmu.pc.in
+index a086f83..15dabbf 100644
+--- a/xmu.pc.in
++++ b/xmu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmu
+ Description: Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11 xt
++Requires: xproto xt
+ Requires.private: x11 xt xext
+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
+@@
+-6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmuu
+ Description: Mini Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11
++Requires: xproto
+ Requires.private: x11
+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmuu
+--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
@@ -0,0 +1 @@
+01_dont_export_private_deps.diff
+--- libxmu-1.1.2.orig/debian/rules
+++ libxmu-1.1.2/debian/rules
@@ -0,0 +1,34 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian libxmu package.
+# Copyright 2004 Scott James Remnant <scott@netsplit.com>
+# Copyright 2005 Daniel Stone <daniel@fooishbar.org>
+# Copyright 2005 David Nusinow <dnusinow@debian.org>
+

```

```

+# Uncomment this to turn on verbose mode.
+#export DH_VERBOSE=1
+
+.PHONY: build
+build:
+ dh build --with quilt,autoreconf --builddirectory=build/ --parallel
+
+%.
+ dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
+
+override_dh_auto_configure:
+ dh_auto_configure -- \
+ --disable-silent-rules
+ \
+ --docdir=\${prefix}/share/doc/libxmu-headers \
+ --with-xmlto \
+ --without-fop
+
+override_dh_auto_install:
+ dh_auto_install
+ find debian/tmp/usr/share/doc/libxmu-headers -name '*.xml' -delete
+
+override_dh_install-arch:
+ dh_install --fail-missing -Xusr/include -X.la
+
+override_dh_strip:
+ dh_strip -Nlibxmu6 -Nlibxmuu1
+ dh_strip -plibxmu6 --dbg-package=libxmu6-dbg
+ dh_strip -plibxmuu1 --dbg-package=libxmuu1-dbg
+--- libxmu-1.1.2.orig/debian/watch
+++ libxmu-1.1.2/debian/watch
@@@ -0,0 +1,3 @@@
+#git=git://anongit.freedesktop.org/xorg/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

1.159 giflib 5.2.1

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1.160 pyyaml 3.12-1build2

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1.161 heimdal 7.5.0+dfsg-1

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@vskip 20pt plus 1fil

@end macro

@macro copyrightstart{}

@end macro

@macro copyrightend{}

@end macro

@node Copyrights and Licenses, , Acknowledgments, Top

@comment node-name, next, previous, up

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The
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GSS-API mechglue layer.

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@table

@asis

@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

@item HDB LDAP backend.

@end table

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

@author Paulo Barreto <paulo.barreto@terra.com.br>

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kdc/announce.c

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DES core in libcrypto

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<!--
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<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="#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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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>

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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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indices_cp_letter-C"><b>C</b></a>

```

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&nbsp;  </td></tr></table>

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<a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>

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&nbsp;  </td></tr></table>

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```

<a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>

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appendix</a>:</td><td>&nbsp;  </td><td valign="top"><a href="#Copying-and-indices">Copying and
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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<tr><td colspan="4"> <hr></td></tr>

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domain</a>:</td><td>&nbsp;  </td><td>

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

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

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<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-index">Titlepage
index</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>
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<a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
&nbsp;<br>
</td></tr></table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a
class="summary-letter" href="#Copying-and-indices_fn_letter-A"><b>A</b></a>
&nbsp;<br>
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;<br>
</td></tr></table>
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<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_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">Copying and
indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-F">F</a></th><td></td><td></td></tr>
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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-
indices_fn_letter-A"><b>A</b></a>
&nbsp;<br>
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;<br>
</td></tr></table>

<a name="SEC_Contents"></a>
<h2 class="contents-heading">Table of Contents</h2>

<div class="contents">

```

```
<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>
```

```
</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>

<meta name="description" content="Appendix A Copying and indices (Top)">
<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">
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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}
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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}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
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</head>

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<body lang="en">
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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">[<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>
<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_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_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>

<p>Copying information for the copying information.

Public domain reference for reference on the licence.

</p>

<p>Titlepage anchor for the titlepage.

Titlepage footnote anchor for reference on the titlepage.

</p>

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

domain⁴.

</p>

<table><tr><th valign="top">Jump to: </th><td>C

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

P

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

T

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

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

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<tr><td></td><th align="left">Index Entry</th><td> </td><th align="left"> Section</th></tr>

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

<tr><th>C</th><td></td><td></td></tr>

<tr><td></td><td valign="top">Copying

appendix</td><td> </td><td valign="top">Appendix A Copying and indices</td></tr>

<tr><td></td><td valign="top">Copying this document</td><td> </td><td valign="top">Top</td></tr>

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

<tr><th>P</th><td></td><td></td></tr>

<tr><td></td><td valign="top">Public domain</td><td> </td><td valign="top">Top</td></tr>

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<tr><th>T</th><td></td><td></td></tr>

<tr><td></td><td valign="top">Titlepage footnote</td><td> </td><td valign="top">Top</td></tr>

<tr><td></td><td valign="top">Titlepage index</td><td> </td><td valign="top">Top</td></tr>

<tr><td></td><td valign="top">Titlepage index</td><td> </td><td valign="top">Top</td></tr>

<tr><td></td><td valign="top">Titlepage index</td><td> </td><td valign="top">Top</td></tr>

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<tr><td colspan="4"> <hr></td></tr>
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&nbsp;  </td></tr><tr><td><a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P"><b>P</b></a>
&nbsp;  </td></tr><tr><td><a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T"><b>T</b></a>
&nbsp;  </td></tr></table>

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<table><tr><th
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&nbsp;  </td></tr><tr><td><a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P"><b>P</b></a>
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&nbsp;  </td></tr></table>
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<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_cp_letter-C">C</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying
appendix</a></td><td>&nbsp;  </td><td valign="top"><a href="#Copying-and-indices">Appendix A Copying and
indices</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Copying-this-document">Copying this
document</a></td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td
  colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_cp_letter-P">P</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index_special_region_fot.html#index-copying-Public-domain">Public
domain</a></td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_cp_letter-T">T</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index_special_region_fot.html#index-titlepage-Titlepage-
footnote">Titlepage footnote</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="index.html#index-titlepage-Titlepage-index">Titlepage
index</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-indices-1_cp_letter-C"><b>C</b></a>

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&nbsp;
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T"><b>T</b></a>
&nbsp;
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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 colspan="4"> <hr></td></tr>
<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
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Chapter</a></td></tr>
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fun"><code>fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1
Chapter</a></td></tr>
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&nbsp;
<a class="summary-letter" href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
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<td valign="middle" align="left">[ &gt;&gt; ]</td>
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  align="left"> &nbsp;</td>
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<td valign="middle" align="left"> &nbsp;</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_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>
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</tr></table>
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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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"http://www.w3.org/TR/html4/loose.dtd">
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This is a test manual, trivially and explicitly in the public domain.

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<meta name="description" content="Appendix A Copying and indices (Top)">
<meta name="keywords" content="Appendix A Copying and indices (Top)">
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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}
div.smallldisplay
{margin-left: 3.2em}
div.smalllexample {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>

<body lang="en">
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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_insertcopying_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_insertcopying_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>Copying information for the copying information.
 Public domain reference
 for reference on the licence.
 </p>
 <p>Titlepage anchor for the titlepage.
 Titlepage footnote
 anchor for reference on the titlepage.
 </p>

Jump to: 	C &nbsp; P &nbsp; T &nbsp;

Index	Section
C	Copying appendix
Copying appendix	Appendix A Copying and indices
Copying this document	Top
P	Public domain
Top	Top
T	Titlepage footnote
Top	Top
Titlepage index	Top

Jump to: 	C &nbsp; P &nbsp;

```

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&nbsp;
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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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and indices</a></td></tr>
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<td valign="middle" align="left">[<a href="index_special_region_no_insertcopying_abt.html#SEC_About"
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href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
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This is a test manual, trivially and explicitly in the public domain.

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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}
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div.smalllisp {margin-left: 3.2em}
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<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_insertcopying_fot.html#Public-domain-reference">Public domain reference</a>
for reference on the licence.

```

</p>

<p>Titlepage anchor for the titlepage.
Titlepage footnote anchor for reference on the titlepage.
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 T
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This document was generated on *a sunny day* using [*texi2any*](http://www.gnu.org/software/texinfo/).

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"http://www.w3.org/TR/html4/loose.dtd">
<html>
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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">
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blockquote.smallquotation {font-size: smaller}
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3.2em}
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div.smallexample {margin-left: 3.2em}
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span.nolinebreak {white-space: nowrap}
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<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>
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</p>
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</p>
<a name="index-listofloats"></a>

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

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```

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

```



```

</p>
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</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>
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footnote">indexed caption copying footnote</a></td><td>&nbsp;</td><td valign="top"><a
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This document was generated on <em>a sunny day</em> using <a
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<html>
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This is a test manual, trivially and explicitly in the public domain.

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<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>

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</tr></table>
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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/ -->
<!-- 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>

```

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

```

```

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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>

<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>

```

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Version 2.1, February 1999

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^L

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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 Copying information.</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
'
                        }
                    ],
                    'parent' => {},
                    'type' => 'paragraph'
                }
            ],
            'extra' => {
                'spaces_after_command' => {}
            },
            'line_nr' => {
                'file_name'
            }
        } => "
",
        'line_nr' => 1,
```

```

    'macro' => "
  },
  '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}
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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.display {font-family: inherit}
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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:
<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>
</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>

<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="#FOOT1_2"><sup>2</sup></a>.
</p>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-
indices_cp_letter-C"><b>C</b></a>
&nbsp;<
<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;<
</td></tr></table>
<table class="index-cp" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_cp_letter-C">C</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying

```



```

appendix</a>:</td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Copying and
indices</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Copying-this-document">Copying
this document</a>:</td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_cp_letter-P">P</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Public-domain">Public
domain</a>:</td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_cp_letter-T">T</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-footnote">Titlepage
footnote</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="index.html#index-titlepage-Titlepage-index">Titlepage
index</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-indices_cp_letter-C"><b>C</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices_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-
indices_cp_letter-C"><b>C</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
&nbsp;</td>
</tr></table>

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```

<table class="index-cp" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_cp_letter-C">C</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying
appendix</a>:</td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Copying
and indices</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Copying-this-document">Copying this
document</a>:</td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_cp_letter-P">P</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Public-domain">Public
domain</a>:</td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

```

```

<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_cp_letter-T">T</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-footnote">Titlepage
footnote</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="index.html#index-titlepage-Titlepage-index">Titlepage
index</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-
indices_cp_letter-C"><b>C</b></a>
&nbsp;<
<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;<
</td></tr></table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-
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>
<table class="index-fn" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_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">Copying and indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-F">F</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-findex-entry"><code>findex
entry</code></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="index.html#index-
fun"><code>fun</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-
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>

<a name="SEC_Contents"></a>
<h2 class="contents-heading">Table of Contents</h2>

```

```

<div class="contents">

<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>

<div class="footnote">
<hr>
<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 allready 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>
</div>

</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/ -->
<!-- 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)">
<meta name="keywords" content="caption copying footnote anchor (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}
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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=float_copying_fot.html#caption-copying-footnote-anchor">

</head>

<body lang="en">

<p>The node you are looking for is at <a href="float_copying_fot.html#caption-copying-footnote-anchor">caption
copying footnote anchor</a>.</p>
</body>
<!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>

<meta name="description" content="Appendix A Copying and indices (Top)">
<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">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
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pre.menu-comment {font-family: serif}
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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>
```

```

<table class="header" cellpadding="1" cellspacing="1" border="0">
<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">[<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>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
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<h1 class="appendix">Appendix A Copying and indices</h1>

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<p>In the appendix, we
print the indices and references.
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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#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
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```
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under certain conditions; type `show c' for details.
```

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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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```

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<title>Appendix A Copying and indices (Top)</title>

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blockquote.smallquotation {font-size: smaller}
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div.example {margin-left: 3.2em}
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div.smalllexample {margin-left: 3.2em}
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pre.menu-preformatted {font-family: serif}
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<h1 class="appendix">Appendix A Copying and indices</h1>

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

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This document was generated on <em>a sunny day</em> using <a
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1.164 libedit 3.1-20170329-1

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1.165 cloud-initramfs-tools 0.40ubuntu1.1

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Version 3, 29 June 2007

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1.174 gdbm 1.14.1-6

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1.176 python-stdlib-extensions 3.6.9-1~18.04

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

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

Found in path(s):

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

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

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

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executable.

Found in path(s):

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

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

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

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Found in path(s):

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

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

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

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Found in path(s):

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

```

* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_dict.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_buffer.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_types.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.6/Lib/lib2to3/fixes/fix_standarderror.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_dict.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_xrange.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_xrange.py
*
/ python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_xrange.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_types.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_filter.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_types.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_buffer.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_map.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_filter.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_filter.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/lib2to3/fixes/fix_standarderror.py
*
/ python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_map.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_dict.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_map.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.8/Lib/lib2to3/fixes/fix_standarderror.py
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```

```

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```

```

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

```

```

# The start symbol is 'Matcher'.

```

Matcher: Alternatives ENDMARKER

Alternatives: Alternative ('|' Alternative)*

Alternative: (Unit | NegatedUnit)+

```

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

```

)

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

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

Details: '<' Alternatives '>'

Found in path(s):

- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/PatternGrammar.txt
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/PatternGrammar.txt
- *

/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/PatternGrammar.txt

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Found in path(s):

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

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version.

Found in path(s):

- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/cygwinccompiler.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist_wininst.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/cygwinccompiler.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist_msi.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist_msi.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_msi.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/cygwinccompiler.py
- * /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_wininst.py
- *

/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist_wininst.py

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

Found in path(s):

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

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('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

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Found in path(s):

[illegible]

```

3.7.5/3.8/Lib/lib2to3/fixes/fix_has_key.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix_print.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_apply.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-
3.7.5/3.7/Lib/lib2to3/fixes/fix_has_key.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix_repr.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pygram.py
*
/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pytree.py
* /python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/fixes/fix_exec.py

```

1.177 libuv 1.18.0-3

1.177.1 Available under license :

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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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1.178 libsigsegv 2.12-1

1.178.1 Available under license :

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

1.179 libdumbnet 1.12-7build1

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1.180 libxdmcp 1.1.2-3

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1.181 libunwind 1.2.1-8

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```
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1.184 pcre 8.39-9

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

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1.185 libusb 1.0.21-2

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1.187 usbutils 007-4build1

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-*- text -*-

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. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.

The complete snprintf package together with documentation is available from

<http://www.ijs.si/software/snprintf/> .

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

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.

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

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

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c

src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

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

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

Macro Packages

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

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

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

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

Hyphenation Patterns

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

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

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

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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

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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

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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

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/*

* Marko Kiiskila carnil@cs.tut.fi

*

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1.202 libxext 1.3.3-1

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Any

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1.208 time 1.7-25.1build1

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1.209 gawk 4.1.4+dfsg-1build1

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[This is the first released version of the library GPL. It is

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Finally, any free program is threatened constantly by software

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

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

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

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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.

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

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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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<signature of Ty Coon>, 1 April 1990
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1.211 python-cffi 1.11.5-1

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1.212 gpt-fdisk 1.0.3-1

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1.213 ncurses 6.1-1ubuntu1.18.04

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This package was put together by Vaidhyanathan G Mayilrangam <vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources obtained from <ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz>. Current versions of the ncurses sources are found at <ftp://invisible-island.net/ncurses/>.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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1.214 iptables 1.6.1-2ubuntu2

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1.218 bzip2 1.0.6-8.1ubuntu0.2

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

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

1.219 google-uuid 1.1.1

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1.220 goprotobuf 1.3.2

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1.223 libxtst 1.2.3-1

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1.224 libgpg-error 1.27-6

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<one line to give the program's name and a brief idea of what it does.>
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The hypothetical commands

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 2.1, February 1999

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Version 3, 29 June 2007

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

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

The

"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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1.230 e2fsprogs 1.44.1-1ubuntu1.3

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

*/

/*

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

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```

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```
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```

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

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#

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

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

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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1.231 free-type 2.10.1

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#
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src/base/md5.c
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#
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#
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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
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src/tools/apinames.c
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1.233 minitest 5.10.3

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1.237 icu 60.2-3ubuntu3.1

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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
http://icu-project.org/download/latest\_milestone.html

The main web site for ICU is
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```

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>>> freebsd-base64-4.8

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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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>>> unicode-5.0

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1.254 Ixcfs 3.0.3-0ubuntu1~18.04.2

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1.255 jsonpatch 1.16

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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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1.257 libdevmapper 2:1.02.145-4.1ubuntu3.18.04.3

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

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1.259 jackson-databind 2.10.0

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1.261 xz 5.2.2-1.3

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Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <lasse.collin@tukaani.org>

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

Source:

<http://tukaani.org/xz>

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

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To: Jonathan Nieder <jrnieder@gmail.com>

Subject: Re: XZ utils for Debian

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

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

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Comment:

changelog.gz (commit 975d8fd) explains:

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Recreated the BCJ test files

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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

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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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1.262 base-files 10.1ubuntu2.10

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include/bsd/stringlist.h

man/fmtcheck.3bsd

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src/fmtcheck.c

src/humanize_number.c

src/stringlist.c

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man/expand_number.3bsd
man/flopen.3bsd
man/getpeereid.3bsd
man/pidfile.3bsd
src/expand_number.c
src/hash/sha512.h
src/hash/sha512c.c
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src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
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tools/dbus-monitor.c
tools/dbus-send.c
tools/dbus-print-message.
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doc/dbus-update-activation-environment.1.xml.in
test/test-apparmor-activation.sh
test/corrupt.c

test/data/dbus-installed-tests.aaprofile.in
test/dbus-daemon-eavesdrop.c
test/dbus-daemon.c
test/fdpass.c
test/internals/printf.c
test/internals/refs.c
test/internals/syslog.c
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1.267 sqlite 3.22.0-1ubuntu0.4

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1.269 chrony 3.2-4ubuntu4.5

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1.270 libpcap 1.8.1-6ubuntu1.18.04.2

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1.274 zlib 1.2.11

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1.275 nghttp2 1.30.0-1ubuntu1

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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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1.276 java-common 0.68ubuntu1~18.04.1

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1.277 busybox 1.27.2-2ubuntu3.3

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1.279 cryptsetup 2.0.2-1ubuntu1.2

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1.280 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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1.281 libyaml 0.2.5

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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lib/hcrypto/test_dh.c

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@vskip 20pt plus 1fil
@end macro

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@end macro

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@macro copyrightend{ }
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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

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GSS-API mechglue layer.

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@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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DES core in libcrypto

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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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GSS-API mechglue layer.

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@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

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Windows support

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GSS-API mechglue layer.

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@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

@author Paulo Barreto <paulo.barreto@terra.com.br>

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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@end macro
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GSS-API mechglue layer.

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@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

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

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation
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Upstream-Contact: heimdal@h5l.org

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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

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DES core in libhcrypto

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

Files-Excluded: doc/doxyout

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AES in libcrypto

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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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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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Windows support

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lib/hcrypto/test_dh.c

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1.296 python3-asn1crypto 0.24.0

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1.297 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>

License: BSD-3-clause

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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1.298 io-console 0.4.6

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1.299 fcntl 1.0.0

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1.300 csv 1.0.0

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1.301 psych 3.0.2

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1.302 webrick 1.4.2

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1.303 etc 1.0.0

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1.304 cmath 1.0.0

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1.305 scanf 1.0.0

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1.306 fiddle 1.0.0

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1.307 fileutils 1.0.2

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1.308 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.

```
/* Portions of the Selector class are derived from Jack Slocum's DomQuery,
 * part of YUI-Ext version 0.40, distributed under the terms of an MIT-style
```

* license. Please see <http://www.yui-ext.com/> for more information. */

Found in path(s):

* /flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/data/prototype.js

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* 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/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 gemspec 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

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[RFC5234] Crocker, D. and P. Overell, "Augmented BNF for Syntax Specifications: ABNF", STD 68, RFC 5234, January 2008.

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15.2. Informative References

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[ECMA-404] Ecma International, "The JSON Data Interchange Format", Standard ECMA-404, October 2013, <<http://www.ecma-international.org/publications/standards/Ecma-404.htm>>.

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[Err607] RFC Errata, Errata ID 607, RFC 607, <<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.

Author's Address

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1.309 rdoc 6.0.1

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/*****

stringio.c -

\$Author\$

\$RoughId: stringio.c,v 1.13 2002/03/14 03:24:18 nobu Exp \$

created at: Tue Feb 19 04:10:38 JST 2002

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1.314 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:

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Mirko Rossini
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If you think you belong on this list, please let me know! --Benjamin
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1.315 error_prone_annotations 2.1.3

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```

Found in path(s):

```
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/concurrent/LockMethod.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/NoAllocation.java
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 */
```

Found in path(s):

```
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/ForOverride.java
```

```
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
*
/error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/concurrent/LazyInit.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/RequiredModifiers.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/Var.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/CompileTimeConstant.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/Immutable.java
```

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```
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/RestrictedApi.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/DoNotMock.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/CompatibleWith.java
*
/error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/FormatMethod.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/FormatString.java
* /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/MustBeClosed.java
```

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Found in path(s):

- * /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/CheckReturnValue.java
- * /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
- * /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
- * /error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/DoNotCall.java

1.316 python3-asn1crypto 0.24.0-1

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1.317 cryptography 2.1.4

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1.318 zope-interface 4.3.2

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- * /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/der/__main__.py
- * /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/compat/dateandtime.py
- * /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
- * /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/char.py
- * /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/type/test_namedval.py

```

* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/tagmap.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/codec/native/decoder.py
*
/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
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/codec/ber/eoo.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/__main__.py
* /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
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/error.py
* /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
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/namedtype.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/setup.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/error.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/type/test_namedtype.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/codec/native/encoder.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/native/test_encoder.py
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* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/ber/__main__.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/compat/__main__.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/namedval.py
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* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/cer/test_decoder.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/compat/test_octets.py
* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/codec/ber/test_decoder.py
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* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/pyasn1/type/base.py
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* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/compat/test_binary.py

```

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* /etingof-pyasn1-v0-4-2-0-gdf3a2b7-tar-gz/etingof-pyasn1-df3a2b7/tests/type/test_char.py
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* /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)
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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::  
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```

Abstract Syntax Notation One (ASN.1
<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`) is a
technology for exchanging structured data in a universally understood,
hardware agnostic way. Many industrial, security and telephony
applications heavily rely on ASN.1.

The `pyasn1` <<https://pypi.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::  
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```

/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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Version 3, 29 June 2007

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Any executables

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It has been packaged by Marco d'Itri <md@linux.it>.

Original sources were obtained from:

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1.326 pythonurllib 1.22-1ubuntu0.18.04.2

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Upstream-Name: urllib3

Upstream-Contact: Andrey Petrov <andrey.petrov@shazow.net>

Source: <http://pypi.python.org/pypi/urllib3>

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Contributions to the urllib3 project

Creator & Maintainer

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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

- * 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@googlemail.com>
- * Bugfix related to reusing connections in indeterminate states.

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

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

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

- * David Foster <<http://dafoster.net/>>
- * Ensure order of request and response headers are preserved.
- * Jeremy Cline <jeremy@jcline.org>
- * Added connection pool keys by scheme
- * Aviv Palivoda <palaviv@gmail.com>
- * History list to Retry object.
- * HTTPResponse contains the last Retry object.
- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.
- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors
backport that supports PEP 475.
- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist
- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package
- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.
- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.
- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring
- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

**1.327 pkg 0.0.0-20180928190104-
399ea9e2e55f**

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RECORD

Carriage_Control carriage_return
Format stream_If

1.332 ssh-import-id 5.7

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

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1.336 unzip 6.0-21ubuntu1.1

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

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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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- *
- * A collection of File Manager and related routines
- *
- * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- * with significant code contributions by Nitin Ganatra
- * (Apple Macintosh Developer Technical Support Emeritus)
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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

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

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

1.337 tar 1.29b-2ubuntu0.2

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Version 3, 29 June 2007

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The

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1.338 iconv 2.27

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

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

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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END OF TERMS AND CONDITIONS

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<signature of Ty Coon>, 1 April 1990
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The

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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

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1.339 file 5.32-2ubuntu0.4

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1.340 zlib 1.2.8

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1.341 twisted 17.9.0-2ubuntu0.1

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1.342 selinux 2.7-2build2

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1.343 libxau 1.0.8-1ubuntu1

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1.344 software-properties 0.96.24.32.14

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1.345 json-c 0.99.8-2

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1.346 update-manager 18.04.11.13

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>>> freebsd-base64-4.8

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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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>>> unicode-5.0

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1.349 libtool 2.4.6-2

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src/base/md5.c

src/base/md5.h

#

src/bdf/bdf.c

src/bdf/bdf.h

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it  
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# 1.354 jquery 3.2.1-1

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# 1.355 bsd-mailx 8.1.2-0.20160123cvs-4

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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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.\" SUCH DAMAGE.

.\"

.\" @(#)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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." OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
." SUCH DAMAGE.

."

." @(#)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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.\" OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
.\" SUCH DAMAGE.
.\"
.\" @(#)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 to 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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.\" HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
.\" LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
.\" OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
.\" SUCH DAMAGE.
.\"
.\" @(#)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

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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 \fIsubject\fP Use \fIsubject\fP as subject in outgoing mail

\-T \fIfile\fP Article-id's of read/deleted messages to \fIfile\fP

\-u \fIuser\fP Read \fIuser\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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.\"

.\" @(#)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 "\fBi\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 \fBI\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\~f\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\fR.

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\fR.

Header fields thus marked are the only ones saved with a message  
when saving by \fBSave\fP

or when automatically saving to \fImbox\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 'rmsgs' to 'rmsgs \-s' we would need to say:

```
.(l
```

```
alias rmsgs "| rmsgs -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 "\fIalias\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 "\fImail\ \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  
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by

)l  
(l C  
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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.

# 1.356 rake 12.3.1-1ubuntu0.1

## 1.356.1 Available under license :

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## 1.359 libdnet 1.12-7build1

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## 1.360 python-cryptography 2.1.4-1ubuntu1.4

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# 1.361 audit 2.8.2-1ubuntu1.1

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- Chris McDonough, 2005-12-18

- Tres Seaver, 2006-02-09

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jloup@gzip.org      madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to [sudo@sudo.ws](mailto:sudo@sudo.ws).

Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie  
Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
ek, Vtislav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei

Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
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Hayman, Randy M.  
Henke, Joachim  
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Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Jorge, Joel Pele  
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Juhani, Timo  
KIKUCHI, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric

Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbess, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Marchionna, Michael D.  
Markham, Paul  
Martinian,  
Emin  
Meskes, Michael  
Michael, David  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin  
Nieusma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Ouellet, Jean-Philippe  
Paquet, Eric  
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.  
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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  
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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

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Found in path(s):

```

* /okhttp-3-12-6-sources-2-jar/okhttp3/internal/ws/RealWebSocket.java
* /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
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- /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
*

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```

/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/connection/ConnectInterceptor.java
* /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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 michael.vogt@ubuntu.com--2005/language-selector--main--0

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\$Id\$

## 1.371 libtextwrapinperl 0.06-7.1

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# 1.372 commons-lang3 3.7

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## 1.373 python 2.7.15~rc1-1

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

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.

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

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

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

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

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|----------------|--------------|-----------|------------|---------------------|
| 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                 |
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| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
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| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
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| 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                 |
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| 2.5            | 2.4          | 2006      | PSF        | yes                 |

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|-------|-------|------|-----|-----|
| 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 |     |     |
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## 1.377 python-meld3 1.0.2-2

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Contributors

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

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

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

It contains the certificates in PEM format and therefore  
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\* /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  
\* <a href="http://bit.ly/UzccDt">{@code AdminServiceFactory}</a>  
\* and <a href="http://bit.ly/TRlX2r">{@code MBeanFactory}</a>.  
\*  
\* @author Juergen Hoeller

\* @author Rob Harrop  
\* @since 2.0.3  
\* @see javax.management.MBeanServer  
\* @see MBeanServerFactoryBean  
\*/

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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
 */
```

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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
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* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
*
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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/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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 */
```

Found in path(s):

```
* /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/validation/MapBindingResult.java

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- \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/RemoteProxyFailureException.java
- \* /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/assembly/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/ApplicationEvent.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/assembly/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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```

Found in path(s):

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* /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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```

```

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

```
/**
 * Indicates that a component is only eligible for registration when all
 * {@linkplain #value specified conditions} match.
 *
 * <p>A <em>condition</em> 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:
 *
 * <ul>
 * <li>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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```
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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
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/LiveBeansView.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/MessageSourceSupport.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/EmbeddedValueResolutionSupport.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/AbstractApplicationEventMulticaster.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/NotificationListenerRegistrar.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventPublicationInterceptor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DefaultMessageCodesResolver.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/ejb/access/SimpleRemoteStatelessSessionProxyFactoryBean.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/config/CacheAdviceParser.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/SimpleValueWrapper.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Repository.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DirectFieldBindingResult.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/NumberStyleFormatter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/assembler/AbstractConfigurableMBeanInfoAssembler.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ConfigurableApplicationContext.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/DefaultManagedTaskScheduler.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/AbstractPropertyBindingResult.java
*

```

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/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/ValidationUtils.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/context/support/DelegatingThemeSource.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/instrument/classloading/websphere/WebSphereLoadTimeWeaver.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/Errors.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Component.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedNotification.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ConcurrentModel.java
*
/spring-context-5-0-2-release-sources-2-
jar/org/springframework/format/datetime/joda/JodaTimeFormatterRegistrar.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/AbstractXmlApplicationContext.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteExporter.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/FixedRateTask.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/AbstractMessageSource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/ResourceScriptSource.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/CronTask.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationConfigUtils.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/GenericApplicationListener.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/stereotype/Controller.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/GenericApplicationContextExtensions.kt
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/PostProcessorRegistrationDelegate.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/MapAccessor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/GenericApplicationContext.java
*
/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/AbstractValueAdaptingCache.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/index/CandidateComponentsIndexLoader.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/scripting/support/ScriptFactoryPostProcessor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/NamedCacheResolver.java

```

\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ui/ExtendedModelMap.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/SimpleCacheManager.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/CacheInterceptor.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/AbstractCachingConfiguration.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/GenericGroovyApplicationContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/StaticMessageSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Configuration.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClass.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/FieldError.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/DateTimeFormatAnnotationFormatterFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationBeanNameGenerator.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/NameMatchCacheOperationSource.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/EnvironmentAware.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindingResult.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/SimpleTriggerContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/assembler/MethodNameBasedMBeanInfoAssembler.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java  
 \*  
 /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/BindException.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/number/money/Jsr354NumberFormatAnnotationFormatterFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/support/BindingAwareModelMap.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/websphere/WebSphereClassPreDefinePlugin.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/WeavingTransformer.java



\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiAccessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java  
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 /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/annotation/EnableCaching.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/BeanFactoryAccessor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/concurrent/DefaultManagedAwareThreadFactory.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/MBeanClientInterceptor.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/SimpleThreadScope.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ProfileCondition.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeFormatterRegistrar.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/support/DefaultFormattingConversionService.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/AbstractSlsbInvokerInterceptor.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AdviceMode.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DataBinder.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/EnvironmentAccessor.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/bsh/BshScriptEvaluator.java  
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 jar/org/springframework/context/expression/CachedExpressionEvaluator.java  
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 jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/MetricType.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/TriggerTask.java  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/MBeanExporter.java  
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 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/context/annotation/ContextAnnotationAutowireCandidateResolver.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/scheduling/concurrent/ExecutorConfigurationSupport.java  
 \* /spring-context-5-0-2-release-sources-2-  
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 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scripting/support/StandardScriptEvaluator.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/Bean.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/SimpleLocaleContext.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/index/CandidateComponentsIndex.java  
 \* /spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/JodaTimeContext.java  
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 jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java  
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 jar/org/springframework/instrument/classloading/SimpleInstrumentableClassLoader.java  
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 jar/org/springframework/context/event/EventListenerMethodProcessor.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/cache/annotation/SpringCacheAnnotationParser.java  
 \* /spring-context-5-0-2-release-sources-2-  
 jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java  
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jar/org/springframework/format/support/FormattingConversionService.java
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jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
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jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
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jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationResult.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/ConversionServiceFactoryBean.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/IntervalTask.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/interceptor/SimpleCacheErrorHandler.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/event/EventExpressionEvaluator.java
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/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/LocalSlsbInvokerInterceptor.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
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jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/BeanDefinitionDsl.kt
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/jndi/JndiTemplateEditor.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/context/i18n/SimpleTimeZoneAwareLocaleContext.java
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jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/remoting/support/RemoteAccessor.java
* /spring-context-5-0-2-release-sources-2-
jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/ScheduledTaskHolder.java
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/config/FixedDelayTask.java
* /spring-context-5-0-2-release-sources-2-
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* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ParserStrategyUtils.java
* /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
* /spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/support/NullValue.java

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\* /spring-context-5-0-2-release-sources-2-jar/org/springframework/context/MessageSource.java  
 \* /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  
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 /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  
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 /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  
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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-

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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

```

# 1.398 libapache2-mod-authnz-external 3.3.2-0.1

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## 1.399 dns-root-data 2018013001

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# 1.400 libapache2-mod-authz-unixgroup 1.1.0-0.1

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# 1.402 fonts-ubuntu 0.83-2

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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

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- \* 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)
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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>
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10. [http://scripts.sil.org/OFL\\_web](http://scripts.sil.org/OFL_web)
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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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# 1.403 fonts-lato 2.0-2

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\* /fonts-lato-2-0-orig-2-tar-xz/fonts-lato-2.0/OFL.txt

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Lato font family

=====

Version 2.007; Latin+Cyrillic+Greek+IPA opensource

Created by: tyPoland Lukasz Dziedzic

Creation year: 2014

Copyright (c) 2010-2014 by tyPoland Lukasz Dziedzic with Reserved Font Name "Lato". Licensed under the SIL Open Font License, Version 1.1.

Lato is a trademark of tyPoland Lukasz Dziedzic.

Source URL: <http://www.latofonts.com/>

License URL: <http://scripts.sil.org/OFL>

=====

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.

=====

## 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).

=====

## 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

=====

Found in path(s):

\* /fonts-lato-2-0-orig-2-tar-xz/fonts-lato-2.0/README.txt

# 1.404 httpcomponents-mime 4.3.2

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

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

You should also get your employer (if you work as a programmer) or your  
school, if any, to sign a "copyright disclaimer" for the program, if  
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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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## 1.411 multiarch-support 2.27-3ubuntu1.4

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## 1.413 afero 1.5.1

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

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

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

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

libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

^L

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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".)

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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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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.

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Once this change is made in a given copy, it is irreversible for



that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

distribute

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

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

^L

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

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

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

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

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

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

d) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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

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

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

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

That's all there is to it!

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

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

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

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

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

-- Nathan  
=20

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

University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

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

> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:15 PM  
> To: cracklib-devel@li...  
> Subject: [Cracklib-devel] cracklib license  
>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

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

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

wrote:

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

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

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

Re: [Cracklib-devel]  
cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46  
Seems like the ideal thing here would be for you and the other distro



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

-- Nathan

=20

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

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

> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:  
> > I understand that, and you're welcome to bring it up with Alec  
> directly  
> > and see if he wants to relicense his code as LGPL... but at this  
> point,  
> > it was enough to just get it consistent and documented as to what  
> it was  
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> > clarification of the licensing that was already in place.

>=20

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

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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; delp=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

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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- 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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### A. HISTORY OF THE SOFTWARE

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

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

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

All

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

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

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# 1.431 pollinate 4.33-0ubuntu1~18.04.2

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Version 3, 29 June 2007

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|                  |                           |
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```
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```

```
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#+STARTUP: showall
```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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## 1.437 python 2.7.17-1~18.04ubuntu1.6

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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

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|----------------|-----------------|-----------|------------|-------------------------|
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| 1.3 thru 1.5.2 | 1.2             | 1995-1999 | CNRI       | yes                     |
| 1.6            | 1.5.2           | 2000      | CNRI       | no                      |
| 2.0            | 1.6             | 2000      | BeOpen.com | no                      |
| 1.6.1          | 1.6             | 2001      | CNRI       | yes (2)                 |
| 2.1            | 2.0+1.6.1       | 2001      | PSF        | no                      |
| 2.0.1          | 2.0+1.6.1       | 2001      | PSF        | yes                     |
| 2.1.1          | 2.1+2.0.1       | 2001      | PSF        | yes                     |
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| 2.1.3          | 2.1.2           | 2002      | PSF        | yes                     |
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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute
it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate  
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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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# 1.455 requests 2.18.4

## 1.455.1 Available under license :

# 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.

## Questions

The GitHub issue tracker is for *bug reports* and *feature requests*. Please do  
not use it to ask questions about how to use Requests. These questions should

instead be directed to [Stack Overflow](https://stackoverflow.com/). Make sure that your question is tagged with the `python-requests` tag when asking it on Stack Overflow, to ensure that it is answered promptly and accurately.

## ## Good Bug Reports

Please be aware of the following things when filing bug reports:

1. Avoid raising duplicate issues. *Please* use the GitHub issue search feature to check whether your bug report or feature request has been mentioned in the past. Duplicate bug reports and feature requests are a huge maintenance burden on the limited resources of the project. If it is clear from your report that you would have struggled to find the original, that's ok, but if searching for a selection of words in your issue title would have found the duplicate then the issue will likely be closed extremely abruptly.
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?
  - Tell us *what version of Requests you're using*, and *how you installed it*. Different versions of Requests behave differently and have different bugs, and some distributors of Requests ship patches on top of the code we supply.

If you do not provide all of these things, it will take us much longer to fix your problem. If we ask you to clarify these and you never respond, we will close your issue without fixing it.

[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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Be cordial or be on your way.

<https://www.kennethreitz.org/essays/be-cordial-or-be-on-your-way>  
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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).

# 1.456 python-certifi 2018.1.18

## 1.456.1 Available under license :

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

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

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#  
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:  
<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>  
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.  
Just configure this file as the SSLCACertificateFile.#

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

## 1.457 urllib3 1.22

### 1.457.1 Notifications :

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This product includes software written by Tim Hudson (tjh@cryptsoft.com).  
This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit  
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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@googlemail.com>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <ville.skytta@iki.fi>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <smtakeda@gmail.com>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <jesse@jesseshapiro.net>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <http://dafoster.net/>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <jeremy@jcline.org>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <palaviv@gmail.com>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <nate.prewitt@gmail.com>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <sethmichaellarson@protonmail.com>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <alex.dias@smarkets.com>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <moin18@gmail.com>
- \* Lazily load idna package
  
- \* Tom White <s6yg1ez3@mail2tor.com>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <tim.burke@gmail.com>
- \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.



\* Erik Rose <erik@mozilla.com>

\* Bugfix to pyopenssl vendoring

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

\* [Brief summary of your changes]

# 1.458 pyOpenSSL 17.5.0

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\* markupsafe.\_speedups

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## 1.462 attrs 17.4.0

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## 1.463 python-debian 0.1.32



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Upstream-Name: Lua team

Upstream-Contact: team@lua.org

Source: <http://www.lua.org/ftp>

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# 1.470 armon-go-metrics 1.1.9

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# 1.477 ubuntu-advantage-tools 27.0

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Version 3, 29 June 2007

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Upstream-Name: ubuntu-advantage-script

Source: <https://github.com/CanonicalLtd/ubuntu-advantage-script>

Files: \*

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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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localtime.go, localtime\_test.go:

Originals:

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Changes:

- \* Renamed files from civil\* to localtime\*.
- \* Package changed from civil to toml.
- \* 'Local' prefix added to all structs.

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

Upstream-Name: libxml2

Source: <ftp://xmlsoft.org/libxml2/>

Files-Excluded:

result

test

Comment:

Bug about the removal of the above directories: <https://bugs.debian.org/331534>

Files: \*

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## 1.492 shim 14

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# 1.507 base-files 10.1ubuntu2.11

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The End

# 1.508 gnutls 3.5.18-1ubuntu1.5

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LIBGCRYPT Werner Koch 2001-06-07

Assigns past and future changes.

Assignment for future changes terminated on 2012-12-04.

wk@gnupg.org

Designed and implemented Libgrypt.

GNUPG Matthew Skala 1998-08-10

Disclaims changes.

mskala@ansuz.sooke.bc.ca

Wrote cipher/twofish.c.

GNUPG Natural Resources Canada 1998-08-11

Disclaims changes by Matthew Skala.

GNUPG Michael Roth Germany 1998-09-17

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mroth@nessie.de

Wrote

cipher/des.c.

Changes and bug fixes all over the place.

GNUPG Niklas Hernaeus 1998-09-18

Disclaims changes.

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Weak key patches.

GNUPG Rmi Guyomarch 1999-05-25

Assigns past and future changes. (g10/compress.c, g10/encr-data.c,

g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)

rguyom@mail.dotcom.fr

ANY g10 Code GmbH 2001-06-07  
Assignment for future changes terminated on 2012-12-04.  
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31  
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LIBGCRYPT Simon Josefsson 2002-10-25  
Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode,  
CTS/MAC flags, self test improvements)  
simon@josefsson.org

LIBGCRYPT Moritz Schulte 2003-04-17  
Assigns past and future changes.  
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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22  
nmav@gnutls.org  
Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15  
Assigns  
past and future changes. (new: src/libgrypt.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)

LIBGCRYPT Brad Hards 2006-02-09  
Assigns Past and Future Changes  
bradh@frogmouth.net  
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.  
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07  
Assigns Past and Future Changes  
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(SEED cipher)

LIBGCRYPT Werner Dittmann 2009-05-20  
Assigns Past and Future Changes  
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(mpi/amd64, tests/mpitests.c)

GNUPG David Shaw

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LIBGCRYPT    Andrey Jivsov   2010-12-09  
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(cipher/ecc.c and related files)

LIBGCRYPT    Ulrich Mller   2012-02-15  
Assigns Past and Future Changes  
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(Changes to cipher/idea.c and related files)

LIBGCRYPT    Vladimir Serbinenko   2012-04-26  
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More credits

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to be part of GnuPG but has been taken out into its own  
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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne,  
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=====

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# 1.514 perks 1.0.1

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## 1.517 queue 1.1.0

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## 1.518 opentracing-contrib-go-observer 0.0.0-20170622124052-a52f23424492

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# 1.519 golang-protobuf-extensions 1.0.1

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# 1.523 gogoprotobuf 1.3.2

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## 1.525 zap 1.18.1

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# 1.526 josharian-intern 1.0.0

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## 1.532 zap 1.17.0

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# 1.541 openzipkin-zipkin-go 0.2.2

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# 1.542 k-sone-critbitgo 1.3.1- 0.20191024122315-48c9e1530131

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# 1.543 gopkg-in/ldap 2.5.1

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## 1.544 kr-fs 0.1.0

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# 1.545 golang-glog 0.0.0-20210429001901-424d2337a529

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#

# Please keep the list sorted.

#

# Use the following command to generate the list

#

# git shortlog -se | awk '{print \$2 " " \$3 " " \$4}'

#

# and do appropriate cleanups.

DanB <danb@cgrates.org>

David Wilkie <dwilkie@gmail.com>

Seyi Ogunyemi <micrypt@users.noreply.github.com>

Tapio <fitase@emblacom.com>

jaroszan <jaroslav.szangin@gmail.com>

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# 1.552 ishidawataru-sctp 0.0.0-20210226210310-f2269e66cdee

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## 1.553 openzipkin-contrib-zipkin-go-opentracing 0.4.5

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## 1.558 eapache-channels 1.1.0

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## 1.559 clockwork 0.2.2

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Clockwork - a clock process to replace cron

=====

Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.]([http://adam.heroku.com/past/2010/4/13/rethinking\\_cron/](http://adam.heroku.com/past/2010/4/13/rethinking_cron/))

Clockwork is a cron replacement. It runs as a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example, refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

## Quickstart

-----

Create clock.rb:

```
require 'clockwork'
include Clockwork

handler do |job|
  puts "Running #{job}"
end

every(10.seconds, 'frequent.job')
every(3.minutes, 'less.frequent.job')
every(1.hour, 'hourly.job')

every(1.day, 'midnight.job', :at => '00:00')
```

Run it with the clockwork binary:

```
$ clockwork clock.rb
[2010-05-25 18:16:46 -0700] Starting clock for 4 events: [ frequent.job less.frequent.job hourly.job midnight.job ]
[2010-05-25 18:16:46 -0700] -> frequent.job
```

## Use with queueing

-----

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as

[Delayed Job](<http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job>),  
[Beanstalk/Stalker]([http://adam.heroku.com/past/2010/4/24/beanstalk\\_a\\_simple\\_and\\_fast\\_queueing\\_backend/](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/)),  
[RabbitMQ/Minion]([http://adamblog.heroku.com/past/2009/9/28/background\\_jobs\\_with\\_rabbitmq\\_and\\_minion/](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/)),  
or  
[Resque](<http://github.com/blog/542-introducing-resque>). This design allows a simple clock process with no locks, but also offers near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```
require 'stalker'

handler { |job| Stalker.enqueue(job) }

every(1.hour, 'feeds.refresh')
every(1.day, 'reminders.send', :at => '01:30')
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the clock process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment, and use per-event blocks to call DJ or Resque enqueue methods. For example, with DJ/Rails:

```
require 'config/boot'
require 'config/environment'

every(1.hour, 'feeds.refresh') { Feed.send_later(:refresh) }
every(1.day, 'reminders.send', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

#### Anatomy of a clock file

-----

clock.rb is standard Ruby. Since we include the Clockwork module (the clockwork binary does this automatically, or you can do it explicitly), this exposes a small DSL ("handler" and "every") to define the handler for events, and then the events themselves.

The handler typically looks like this:

```
handler { |job| enqueue_your_job(job) }
```

This block will be invoked every time an event is triggered, with the job name passed in. In most cases, you should be able to pass the job name directly through to your queueing system.

The second part of the file are the events, which roughly resembles a crontab:

```
every(5.minutes, 'thing.do')
every(1.hour, 'otherthing.do')
```

In the first line of this example, an event will be triggered once every five minutes, passing the job name 'thing.do' into the handler. The handler shown above would thus call `enqueue_your_job('thing.do')`.

You can also pass a custom block to the handler, for job queueing systems that rely on classes rather than job names (i.e. DJ and Resque). In this case, you need not define a general event handler, and instead provide one with each event:

```
every(5.minutes,  
'thing.do') { Thing.send_later(:do) }
```

If you provide a custom handler for the block, the job name is used only for logging.

You can also use blocks to do more complex checks:

```
every(1.day, 'check.leap.year') do  
  Stalker.enqueue('leap.year.party') if Time.now.year % 4 == 0  
end
```

In production

-----

Only one clock process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

- \* App server 1: 3 web (thin start), 3 workers (rake jobs:work), 1 clock (clockwork clock.rb)
- \* App server 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your clock process running the same way you keep your web and workers running.

Meta

----

Created by Adam Wiggins

Inspired by [rufus-scheduler](<http://rufus.rubyforge.org/rufus-scheduler/>) and [http://github.com/bvandenbos/resque-scheduler]([http://github.com/bvandenbos/resque-scheduler](http://github.com/bvandenbos/resque-scheduler/))

Design

assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan

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<http://github.com/adamwiggins/clockwork>

Found in path(s):

\* /clockwork-0-2-2-1-gem/data-tar-gz/README.md

## 1.560 fsnotify 1.4.9

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# 1.570 mitchellh-mapstructure 1.4.1

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## 1.571 jwalterweatherman 1.1.0

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# 1.579 pkg-sftp 1.13.1

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# 1.580 go-bgp 2.19.0+incompatible

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# 1.588 evanphx-json-patch 0.5.3-0.20210601025549-3e2cfc05e32a

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# 1.590 ghodss-yaml 1.0.0

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# 1.591 logrus 1.8.1

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## 1.592 gopacket 1.1.19

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## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)  
  
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC  
  
## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D_REENTRANT  
LIBCPPFLAGS =  
  
## Compiler switch to embed a runtime search path  
LD_RPATH=  
LD_RPATH_PRE= -Wl,-rpath,  
  
## Compiler switch to embed a library name  
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))  
  
## Shared library options  
LD_SOOPTIONS= -Wl,-Bsymbolic  
  
## Shared object suffix  
SO = so  
## Non-shared intermediate object suffix  
STATIC_O = ao  
  
## Compilation  
rules  
%. $(STATIC_O): $(srcdir)/%.c  
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<  
%.o: $(srcdir)/%.c
```

```

$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

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

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

## Versioned libraries rules

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

## Bind internal references

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

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

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

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* -----  
*  
*/
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* httpd@ncsa.uiuc.edu  
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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

\*/

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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 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



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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- 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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# 1.613 chardet 3.0.4

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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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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.

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## 1.614 apacheutils 2.4.29-1ubuntu4.21

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    -->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
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Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
/>
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>
```

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</div>

</div>

<div class="bottomlang">

<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>

</div><div class="top"><a href="#page-header"></a></div><div

class="section"><h2><a id="comments\_section" name="comments\_section">Comments</a></h2><div

class="warning"><strong>Notice:</strong><br

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

var comments\_shortcode = 'httpd';

var comments\_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

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

d.write('<div id="comments\_thread"></div>');

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

s.type = 'text/javascript';

s.async = true;

s.src = 'https://comments.apache.org/show\_comments.lua?site=' + comments\_shortcode + '&page=' +

```

comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
}
else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
}
})(window, document);
//--><![></script></div><div id="footer">
<p class="apache">Copyright 2017 The Apache Software Foundation.<br />Licensed under the <a
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--><![CDATA[</><!--
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}
}
--><![></script>
</body></html>

```

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```
/*
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*
*/

```

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For the server\util\_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*
*****/
*
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*
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=====
```

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

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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

\*/

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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>
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  <packaging>jar</packaging>
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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>
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    </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>
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    <artifactId>oss-parent</artifactId>
    <version>7</version>
  </parent>

  <properties>
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    <maven.pmd.excludes>*/generated-sources/*</maven.pmd.excludes>
```

```

</properties>
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  <developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
  <url>https://github.com/mifmif/Generex.git</url>
</scm>
<ciManagement>
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  <system>Travis</system>
  <notifiers>
    <notifier>
      <address>mifmif.com@gmail.com</address>
      <type>mail</type>
    </notifier>
    <notifier>
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      <type>mail</type>
    </notifier>
  </notifiers>
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    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
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    <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
  </repository>
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    </resource>
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      <excludes>
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```

```

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  <directory>src/main/resources</directory>
  <includes>
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  <configuration>
    <file>target/${project.artifactId}-${project.version}.jar</file>
    <groupId>${project.groupId}</groupId>
    <artifactId>${project.artifactId}</artifactId>
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  </configuration>
</plugin>

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  <artifactId>maven-jar-plugin</artifactId>
  <version>3.0.2</version>
  <configuration>
    <excludes>
      <exclude>*</exclude>
      <exclude>com/thoughtworks/**/*</exclude>
      <exclude>freemarker/**/*</exclude>
      <exclude>ftl/**/*</exclude>
      <exclude>i18n/**/*</exclude>
      <exclude>style/**/*</exclude>
      <exclude>junit/**/*</exclude>
      <exclude>licenses/**/*</exclude>
      <exclude>META-INF/maven/**/*</exclude>
      <exclude>org/codehaus/**/*</exclude>
      <exclude>org/hamcrest/**/*</exclude>
      <exclude>org/jbehave/**/*</exclude>
    </excludes>
  </configuration>
</plugin>

```

```

<exclude>org/junit/**/*</exclude>
<exclude>org/testng/**/*</exclude>
<exclude>org/xmlpull/**/*</exclude>
<exclude>stories/**/*</exclude>
<exclude>style/**/*</exclude>
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</excludes>
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<addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
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<addExtensions>>false</addExtensions>
<classpathLayoutType>simple</classpathLayoutType>
</manifest>
</archive>
</configuration>
</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>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<version>2.10.3</version>
<configuration>
<show>private</show>
<nohelp>>false</nohelp>
<failOnError>>false</failOnError>
<sourcepath>src/main/java</sourcepath>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-release-plugin</artifactId>
<configuration>
<tagNameFormat>v@{project.version}</tagNameFormat>

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    <preparationGoals>package
install:install-file</preparationGoals>
    <scmCommentPrefix>#3</scmCommentPrefix>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
    <skip>true</skip>
  </configuration>
</plugin>

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```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.0.1</version>
  <executions>
    <execution>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <executions>
    <execution>
      <id>attach-javadocs</id>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-gpg-plugin</artifactId>
  <executions>
    <execution>

```

```

<id>sign-artifacts</id>
<phase>deploy</phase>
<goals>
  <goal>sign</goal>
</goals>
</execution>
</executions>

```

```

</plugin>

```

```

<plugin>
  <groupId>org.sonatype.plugins</groupId>
  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.3</version>
  <executions>
    <execution>
      <id>default-deploy</id>
      <phase>deploy</phase>
      <goals>
        <goal>deploy</goal>
      </goals>
    </execution>
  </executions>
  <extensions>true</extensions>
  <configuration>
    <serverId>osrh</serverId>
    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
  </configuration>
</plugin>

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```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-pmd-plugin</artifactId>
  <version>3.6</version>
  <configuration>
    <failOnViolation>true</failOnViolation>
    <excludeRoots>
      <excludeRoot>target/generated-sources/plugin</excludeRoot>
    </excludeRoots>
    <excludes>
      <exclude>**/HelpMojo.java</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>

```



```

    <goal>cpd-check</goal>
  </goals>
</configuration>
<failOnViolation>true</failOnViolation>
<excludes>
  <exclude>**/HelpMojo.java</exclude>
</excludes>
</configuration>
</execution>
</executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>2.10</version>
  <configuration>
    <excludes>**/test/java/**/*.*.java</excludes>
    <configLocation>./sun_checks.xml</configLocation>
    <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
    <failOnViolation>true</failOnViolation>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>cobertura-maven-plugin</artifactId>
  <version>2.6</version>
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    <check>
      <haltOnFailure>>false</haltOnFailure>
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      <totalLineRate>80</totalLineRate>
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    </check>
    <instrumentation>
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      </excludes>
    </instrumentation>
  </configuration>
</executions>

```

```

<execution>
  <id>verification</id>
  <phase>verify</phase>
  <goals>
    <goal>check</goal>
    <goal>cobertura</goal>
  </goals>
</execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>javancss-maven-plugin</artifactId>
  <version>2.0</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <ccnLimit>10</ccnLimit>
    <ncssLimit>100</ncssLimit>
    <failOnViolation>true</failOnViolation>
    <excludes>
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    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.3</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>
    <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```

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  <artifactId>jdepend-maven-plugin</artifactId>
  <version>2.0</version>
</plugin>
</plugins>
</build>
<dependencies>
  <dependency>
    <groupId>dk.brics.automaton</groupId>
    <artifactId>automaton</artifactId>
    <version>1.11-8</version>
  </dependency>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
    <scope>test</scope>
  </dependency>
  <dependency>
    <groupId>org.hamcrest</groupId>
    <artifactId>hamcrest-junit</artifactId>
    <version>2.0.0.0</version>
    <scope>test</scope>
  </dependency>
</dependencies>
</project>

```

Found

in path(s):

\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/pom.xml

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Found in path(s):

\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/test/java/com/mifmif/common/regex/GenerexUnitTest.java  
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\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/test/java/com/mifmif/common/regex/GenerexIteratorUnitTest.java  
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\*/

Found in path(s):

\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/main/java/com/mifmif/common/regex/GenerexIterator.java  
\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/main/java/com/mifmif/common/regex/util/Iterator.java  
\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/main/java/com/mifmif/common/regex/Node.java  
\*  
/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/main/java/com/mifmif/common/regex/util/Iterable.java  
\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/main/java/com/mifmif/common/regex/Main.java  
\* /mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-  
e910243/src/main/java/com/mifmif/common/regex/Generex.java

# 1.618 zjsonpatch 0.3.0

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Found in path(s):

\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/NodeType.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonDiff.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/NoopProcessor.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/ApplyProcessor.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Constants.java  
\*

/zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/CompatibilityFlags.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonPatchApplicationException.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonPatchProcessor.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/InvalidJsonPatchException.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Operation.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/JsonPatch.java  
\* /zjsonpatch-0-3-0-sources-jar/com/flipkart/zjsonpatch/Diff.java

# 1.619 shadow 4.5-1ubuntu2.2

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# 1.620 logging-interceptor 3.12.6

## 1.620.1 Available under license :

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# 1.621 kubernetes-model-common 4.6.3

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Found in path(s):

\* /kubernetes-model-common-4-6-3-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-common/pom.xml

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Found in path(s):

\* /kubernetes-model-common-4-6-3-sources-jar/io/fabric8/kubernetes/model/annotation/ApiGroup.java

\* /kubernetes-model-common-4-6-3-sources-jar/io/fabric8/kubernetes/model/annotation/ApiVersion.java



# 1.622 kubernetes-client 4.6.3

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\* /kubernetes-client-4-6-3-sources-jar/META-INF/maven/io.fabric8/kubernetes-client/pom.xml

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#

io.fabric8.kubernetes.client.URLFromEnvVarsImpl

io.fabric8.kubernetes.client.URLFromIngressImpl

io.fabric8.kubernetes.client.URLFromNodePortImpl

Found in path(s):

\* /kubernetes-client-4-6-3-sources-jar/META-INF/services/io.fabric8.kubernetes.client.ServiceToURLProvider

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```

Found in path(s):

```
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/DeploymentRollingUpdater.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/RoleBindingOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/StorageAPIGroupDSL.java
*
/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/PodDisruptionBudgetHandler.java
* /kubernetes-client-4-6-3-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/ReplicationControllerRollingUpdater.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/MixedOperation.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/AutoscalingAPIGroupClient.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/HasMetadataVisitableBuilder.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Utils/ImpersonatorInterceptor.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/ConfigMapOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Parameterizable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/RbacAPIGroupDSL.java
* /kubernetes-client-4-6-3-sources-
jar/io/fabric8/kubernetes/client/dsl/NamespaceListVisitFromServerGetDeleteRecreateWaitApplicable.java
*
/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Outputable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/ReplicaSetHandler.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Watchable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/StorageAPIGroupClient.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/ExtensionAdapter.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/SchedulingAPIGroupClient.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/PortForward.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/BytesLimitable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/CopyOrReadable.java
* /kubernetes-client-4-6-3-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/NamespaceVisitFromServerGetWatchDeleteRecreateWaitApplicableImpl.java
```

\*  
 /kubernetes-client-4-6-3-sources-  
 jar/io/fabric8/kubernetes/client/dsl/internal/ReplicationControllerOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/KubernetesClientException.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/AppsAPIGroupExtensionAdapter.java  
 \* /kubernetes-client-4-6-3-sources-  
 jar/io/fabric8/kubernetes/client/dsl/internal/RawCustomResourceOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/internal/SSLUtils.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Utils/NonBlockingInputStreamPumper.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/EditReplacePatchable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/ClusterRoleHandler.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/URLFromIngressImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/NodeHandler.java  
 \*  
 /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/internal/CertUtils.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Timeable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/ReplicaSetRollingUpdater.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Deletable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Prettyable.java  
 \* /kubernetes-client-4-6-3-sources-  
 jar/io/fabric8/kubernetes/client/dsl/internal/CustomResourceDefinitionOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-  
 jar/io/fabric8/kubernetes/client/dsl/ListVisitFromServerGetDeleteRecreateWaitApplicable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/TailPrettyLoggable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/internal/patchmixins/ObjectMetaMixIn.java  
 \*  
 /kubernetes-client-4-6-3-sources-  
 jar/io/fabric8/kubernetes/client/dsl/internal/PersistentVolumeClaimOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/WithRequestCallable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Lockable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/CodgenGen.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Client.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/CreateListFromLoadable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/base/OperationContext.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Utils/ResourceCompare.java  
 \* /kubernetes-client-4-6-3-sources-  
 jar/io/fabric8/kubernetes/client/dsl/internal/ControllerRevisionOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/CreateFromServerGettable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/CustomResourceDefinitionHandler.java  
 \*  
 /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/AutoAdaptableKubernetesClient.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/TimeTailPrettyLoggable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/PolicyAPIGroupExtensionAdapter.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/AnyNamespaceable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/NetworkAPIGroupClient.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/ListenerWatcher.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/VersionInfo.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/EndpointsOperationsImpl.java

- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ErrorChannelable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/ServiceToURLProvider.java
- \*
- /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/PersistentVolumeHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/SecretHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/BindingOperationsImpl.java
- \* /kubernetes-client-4-6-3-sources-
- jar/io/fabric8/kubernetes/client/dsl/internal/PodSecurityPolicyOperationsImpl.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/EditReplacePatchDeletable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/base/ConfigAndApiGroupsInfo.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/SharedProcessor.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/BatchAPIGroupDSL.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/KubernetesListOperationsImpl.java
- \*
- /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/OperationInfo.java
- \* /kubernetes-client-4-6-3-sources-
- jar/io/fabric8/kubernetes/client/dsl/internal/NamespaceVisitFromServerGetWatchDeleteRecreateWaitApplicableList
- Impl.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/StatefulSetRollingUpdater.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/SubjectAccessReviewDSL.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/TtyExecInputOutputErrorable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/ClusterRoleBindingHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/DeltaFIFO.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/internal/VersionUsageUtils.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/URLFromNodePortImpl.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/IngressHandler.java
- \*
- /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/AppsAPIGroupDSL.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/RoleBindingHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Inputable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/LimitRangeHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodOperationContext.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Namespaceable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Replaceable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/CertificateSigningRequestHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/utils/URLFromServiceUtil.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/SecretOperationsImpl.java
- \*
- /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/NodeOperationsImpl.java
- \* /kubernetes-client-4-6-3-sources-
- jar/io/fabric8/kubernetes/client/dsl/internal/CustomResourceOperationContext.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Rollable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Listable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Secretable.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/DeploymentHandler.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/utils/Serialization.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/ExtensionsAPIGroupExtensionAdapter.java
- \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/StatefulSetHandler.java

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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PortForwarder.java
*
/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/PodTemplateHandler.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Filterable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/TtyExecOutputErrorable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ApplicableAnd.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/ClusterRoleOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Version.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/PortForwardable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/MultiDeleteable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/KubernetesListOperation.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/ControllerRevisionHandler.java
*
/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/LogWatchCallback.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Readable.java
* /kubernetes-client-4-6-3-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/PodDisruptionBudgetOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/ClientAware.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/LocalPortForward.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/Listener.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ScalableResource.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ServiceResource.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/SettingsAPIGroupDSL.java
* /kubernetes-client-4-6-3-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/ValidatingWebhookConfigurationOperationsImpl.java
*
/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/KubernetesListHandler.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/utils/BlockingInputStreamPumper.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/ResourceEventHandler.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/CustomResourceDoneable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/Indexer.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Recreateable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/ReflectorRunnable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/CascadingEditReplacePatchDeletable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/WatchListDeletable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Timestampable.java
*
/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/PodResource.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/RecreateApplicable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Applicable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/utils/InputStreamPumper.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/RbacAPIGroupClient.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/SchedulingAPIGroupExtensionAdapter.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/ComponentStatusOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/RoleHandler.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Loggable.java
* /kubernetes-client-4-6-3-sources-
jar/io/fabric8/kubernetes/client/handlers/ValidatingWebhookConfigurationHandler.java

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\* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/EventHandler.java  
 \*  
 /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/TtyExecErrorable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Triggerable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Containerable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/base/OperationSupport.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/AutoscalingAPIGroupDSL.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/ScalableReaper.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/ExtensionsAPIGroupClient.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/PrettyLoggable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/PersistentVolumeClaimHandler.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/HorizontalPodAutoscalerOperationsImpl.java  
 \*  
 /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/ServiceOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/SharedInformerFactory.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodTemplateOperationsImpl.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/CronJobHandler.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Terminateable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/FileSelector.java  
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 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/VisitFromServerGetWatchDeleteRecreateWaitApplicable.java  
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 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ExecListenable.java  
 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/VersionWatchable.java  
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 \* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/MutatingWebhookConfigurationOperationsImpl.java

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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/utils/ApiVersionUtil.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/BatchAPIGroupClient.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/CustomResourceOperationsImpl.java
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/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/SettingsAPIGroupClient.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/SharedIndexInformer.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ExecListener.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Editable.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/StorageAPIGroupExtensionAdapter.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Loadable.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Watch.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ImageEditReplacePatchable.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/PodSecurityPolicyHandler.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/TtyExecErrorChannelable.java
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* /kubernetes-client-4-6-3-sources-
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/internal/patchmixins/BuildMixIn.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/DefaultOperationInfo.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/impl/DefaultSharedIndexInformer.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/ExecWatch.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/BatchAPIGroupExtensionAdapter.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/CustomResource.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/CascadingDeletable.java
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/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/NetworkAPIGroupExtensionAdapter.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/RollingUpdater.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Copiable.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Patchable.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/EventOperationsImpl.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/FunctionCallable.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/RollableScalableResource.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/PropagationPolicyConfigurable.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/informers/cache/Cache.java
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/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/StatefulSetOperationsImpl.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodPresetOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/OAuthTokenProvider.java
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* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/SettingsAPIGroupExtensionAdapter.java
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/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/JobOperationsImpl.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/AppsAPIGroupClient.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/Callback.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/AutoscalingAPIGroupExtensionAdapter.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/SchedulingAPIGroupDSL.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/handlers/ServiceAccountHandler.java
* /kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/internal/RollingOperationContext.java
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io.fabric8.kubernetes.client.AppsAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.AutoscalingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.BatchAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.ExtensionsAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.NetworkAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.PolicyAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.RbacAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.SchedulingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.SettingsAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.StorageAPIGroupExtensionAdapter

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Found in path(s):

\* /kubernetes-client-4-6-3-sources-jar/resource-handler.vm

\* /kubernetes-client-4-6-3-sources-jar/resource-operation.vm

\* /kubernetes-client-4-6-3-sources-jar/resource-handler-services.vm

# 1.623 kubernetes-model 4.6.3

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# 1.624 libpcap-dev 1.8.1-6ubuntu1.18.04.2

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# 1.626 coreos-etcd 3.3.15+incompatible

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# Jackson JSON processor

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

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## 1.633 grpc-websocket-proxy 0.0.0-20201229170055-e5319fda7802

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 * Rob Earhart
 * Rob Siemborski
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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!

# 1.640 apache2-data 2.4.29-1ubuntu4.21

## 1.640.1 Available under license :

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X
```

This file is generated from xml source: DO NOT EDIT

```
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```
-->
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Sidebar - Default font size" />
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<p><span>Available
Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;&nbsp;&nbsp;</a></p>
</div>

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control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
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/>This is not a Q&A section. Comments placed here should be pointed towards suggestions on improving the
documentation or server, and may be removed again by our moderators if they are either implemented or considered
invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC
channel, #httpd, on Freenode, or sent to our <a href="http://httpd.apache.org/lists.html">mailing lists</a>.</div>
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    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +
comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
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    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
  }
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<p class="apache">Copyright 2017 The Apache Software Foundation.<br />Licensed under the <a
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
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```

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```

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* Software Development Group
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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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```

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* -----
*/

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```
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=====
```

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

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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

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# 1.645 jdk-zulu 8.60.0.21-1

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## 1.648 viper 1.7.1

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# 1.652 apache-http-server 2.4.29-1ubuntu4.22

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License: PCRE

This is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language. See the file Tech.Notes for some information on the internals.

This module is a wrapper that provides a POSIX API to the underlying PCRE functions.

Written by: Philip Hazel <ph10@cam.ac.uk>

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NCSA HTTPd Server

Software Development Group

National Center for Supercomputing Applications

University of Illinois at Urbana-Champaign

605 E. Springfield, Champaign, IL 61820

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md5.c: NCSA HTTPd code which uses the md5c.c RSA Code

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This imagemap module started as a port of the original imagemap.c  
written by Rob McCool (11/13/93 robm@ncsa.uiuc.edu).

This version includes the mapping algorithms found in version

### 1.3

of `imagemap.c`.

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Contributors to this code include:

.

Kevin Hughes, [kevinh@pulua.hcc.hawaii.edu](mailto:kevinh@pulua.hcc.hawaii.edu)

.

Eric Haines, [erich@eye.com](mailto:erich@eye.com)

"macmartinized" polygon code copyright 1992 by Eric Haines, [erich@eye.com](mailto:erich@eye.com)

.

Randy Terbush, [randy@zyzzyva.com](mailto:randy@zyzzyva.com)

port to Apache module format, "base\_uri" and support for relative URLs

.

James H. Cloos, Jr., [cloos@jhcloos.com](mailto:cloos@jhcloos.com)

Added point datatype, using code in NCSA's version 1.8 `imagemap.c`

program, as distributed with version 1.4.1 of their server.

The point code is originally added by Craig Milo Rogers, [Rogers@ISI.Edu](mailto:Rogers@ISI.Edu)

.

Nathan Kurz, [nate@tripod.com](mailto:nate@tripod.com)

Rewrite/reorganization. New handling of default, base and relative URLs.

New Configuration directives:

`ImapMenu {none, formatted, semiformatted, unformatted}`

`ImapDefault {error, nocontent, referer, menu, URL}`

`ImapBase {map, referer, URL}`

Support for creating non-graphical menu added. (backwards compatible):

Old: directive URL `[x,y ...]`

New: directive URL "Menu text" `[x,y ...]`

or: directive URL `x,y ... "Menu text"`

Map format and menu concept courtesy Joshua Bell, [jsbell@acs.ucalgary.ca](mailto:jsbell@acs.ucalgary.ca).

.

Mark Cox, [mark@ukweb.com](mailto:mark@ukweb.com), Allow relative URLs even when no base specified

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For compliance with Mr Darwin's terms: this has been very significantly modified from the free "file" command.

- all-in-one file for compilation convenience when moving from one version of Apache to the next.
- Memory allocation is done through the Apache API's apr\_pool\_t structure.
- All functions have had necessary Apache API request or server structures passed to them where necessary to call other Apache API routines. (i.e. usually for logging, files, or memory allocation in itself or a called function.)
- struct magic has been converted from an array to a single-ended linked list because it only grows one record at a time, it's only accessed sequentially, and the Apache API has no equivalent of realloc().
- Functions have been changed to get their parameters from the server configuration instead of globals. (It should be reentrant now but has not been tested in a threaded environment.)
- Places where it used to print results to stdout now saves them in a list where they're used to set the MIME type in the Apache request record.
- Command-line flags have been removed since they will never be used here.

.  
Ian Kluft <ikluft@cisco.com>  
Engineering Information Framework  
Central Engineering  
Cisco Systems, Inc.  
San Jose, CA, USA

.  
Initial installation        July/August 1996  
Misc bug fixes            May 1997  
Submission to Apache Software Foundation    July 1997

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## 1.659 github.com/nmcclain/asn1-ber 0.0.0-20170104154839-2661553a0484

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#  
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#  
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package copyright

```
import (  
    "os"  
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    "strings"  
    "testing"  
)
```

```
func TestToolsCopyright(t *testing.T) {  
    cwd, err := os.Getwd()  
    if err != nil {  
        t.Fatal(err)  
    }  
    tools := filepath.Dir(cwd)  
    if !strings.HasSuffix(filepath.Base(tools), "tools") {  
        t.Fatalf("current working directory is %s, expected tools", tools)  
    }  
    files, err := checkCopyright(tools)  
    if err != nil {  
        t.Fatal(err)  
    }  
    if len(files) > 0 {  
        t.Errorf("The following files are missing copyright notices:\n%s", strings.Join(files, "\n"))  
    }  
}
```

```

}
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// Package copyright checks that files have the correct copyright notices.
package copyright

import (
    "go/ast"
    "go/parser"
    "go/token"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "strings"
)

func checkCopyright(dir string) ([]string, error) {
    var files []string
    err := filepath.Walk(dir, func(path string, info os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if info.IsDir() {
            // Skip directories like ".git".
            if strings.HasPrefix(info.Name(), ".") {
                return filepath.SkipDir
            }
        }
        return nil
    })
    needsCopyright, err := checkFile(dir, path)
    if err != nil {
        return files, err
    }
    if needsCopyright {
        files = append(files, path)
    }
    return files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved.
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```

```

func checkFile(toolsDir, filename string) (bool, error) {
    // Only check Go files.
    if !strings.HasSuffix(filename, ".go") {
        return false, nil
    }
    // Don't check testdata files.
    normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
    if strings.Contains(normalized, "/testdata/") {
        return false, nil
    }
    // goyacc is the only file with a different copyright header.
    if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
        return false, nil
    }
    content, err := ioutil.ReadFile(filename)
    if err != nil {
        return false, err
    }
    fset := token.NewFileSet()
    parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
    if err != nil {
        return false, err
    }
    // Don't require headers on generated files.
    if isGenerated(fset, parsed) {
        return false, nil
    }
    shouldAddCopyright := true
    for _, c := range parsed.Comments {
        // The copyright should appear before the package
        // declaration.
        if c.Pos() > parsed.Package {
            break
        }
        if copyrightRe.MatchString(c.Text()) {
            shouldAddCopyright = false
            break
        }
    }
    return shouldAddCopyright, nil
}

// Copied from golang.org/x/tools/internal/lsp/source/util.go.
// Matches cgo generated comment as well as the proposed standard:
// https://golang.org/s/generatedcode
var generatedRx = regexp.MustCompile(`^// .*DO NOT EDIT\.`)

```



```

func isGenerated(fset *token.FileSet, file *ast.File) bool {
    for _, commentGroup := range file.Comments {
        for _, comment := range commentGroup.List {
            if matched := generatedRx.MatchString(comment.Text); !matched {
                continue
            }
            // Check if comment is at the beginning of the line in source.
            if pos := fset.Position(comment.Slash); pos.Column == 1 {
                return true
            }
        }
    }
    return false
}

```

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## 1.673 [github.com/stackexchange/wmi](https://github.com/stackexchange/wmi) 0.0.0-20190523213315-cbe66965904d

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package copyright

```
import (  
    "os"  
    "path/filepath"  
    "strings"  
    "testing"  
)
```

```
func TestToolsCopyright(t *testing.T) {  
    cwd, err := os.Getwd()  
    if err != nil {  
        t.Fatal(err)  
    }  
    tools := filepath.Dir(cwd)  
    if !strings.HasSuffix(filepath.Base(tools), "tools") {  
        t.Fatalf("current working directory is %s, expected tools", tools)  
    }  
    files, err := checkCopyright(tools)  
    if err != nil {  
        t.Fatal(err)  
    }  
    if len(files) > 0 {  
        t.Errorf("The following files are missing copyright notices:\n%s", strings.Join(files, "\n"))  
    }  
}
```

```

}
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// license that can be found in the LICENSE file.

// Package copyright checks that files have the correct copyright notices.
package copyright

import (
    "go/ast"
    "go/parser"
    "go/token"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "strings"
)

func checkCopyright(dir string) ([]string, error) {
    var files []string
    err := filepath.Walk(dir, func(path string, info os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if info.IsDir() {
            // Skip directories like ".git".
            if strings.HasPrefix(info.Name(), ".") {
                return filepath.SkipDir
            }
        }
        return nil
    })
    needsCopyright, err := checkFile(dir, path)
    if err != nil {
        return files, err
    }
    if needsCopyright {
        files = append(files, path)
    }
    return files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved.
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license that can be found in the LICENSE file.`)

```

```

func checkFile(toolsDir, filename string) (bool, error) {
    // Only check Go files.
    if !strings.HasSuffix(filename, ".go") {
        return false, nil
    }
    // Don't check testdata files.
    normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
    if strings.Contains(normalized, "/testdata/") {
        return false, nil
    }
    // goyacc is the only file with a different copyright header.
    if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
        return false, nil
    }
    content, err := ioutil.ReadFile(filename)
    if err != nil {
        return false, err
    }
    fset := token.NewFileSet()
    parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
    if err != nil {
        return false, err
    }
    // Don't require headers on generated files.
    if isGenerated(fset, parsed) {
        return false, nil
    }
    shouldAddCopyright := true
    for _, c := range parsed.Comments {
        // The copyright should appear before the package
        // declaration.
        if c.Pos() > parsed.Package {
            break
        }
        if copyrightRe.MatchString(c.Text()) {
            shouldAddCopyright = false
            break
        }
    }
    return shouldAddCopyright, nil
}

// Copied from golang.org/x/tools/internal/lsp/source/util.go.
// Matches cgo generated comment as well as the proposed standard:
// https://golang.org/s/generatedcode
var generatedRx = regexp.MustCompile(`^// .*DO NOT EDIT\.`)

```

```

func isGenerated(fset *token.FileSet, file *ast.File) bool {
    for _, commentGroup := range file.Comments {
        for _, comment := range commentGroup.List {
            if matched := generatedRx.MatchString(comment.Text); !matched {
                continue
            }
            // Check if comment is at the beginning of the line in source.
            if pos := fset.Position(comment.Slash); pos.Column == 1 {
                return true
            }
        }
    }
    return false
}

```

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## 1.676 metrics 1.17.3

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## 1.677 [github.com/nmcclain/ldap](https://github.com/nmcclain/ldap) 0.0.0-20210720162743-7f8d1e44eeba

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# 1.689 groupcache 0.0.0-20200121045136-8c9f03a8e57e

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## 1.690 jwt-go 3.2.0+incompatible

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\* Small optimizations to Python serialization.  
Leandro Lucarella <llucax@gmail.com>  
\* VI syntax highlighting tweaks.  
\* Fix compiler to not make output executable.

Dilip Joseph <dilip.antony.joseph@gmail.com>

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

Brian Atkinson <nairb774@gmail.com>

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

Vincent Choiniere <Choiniere.Vincent@hydro.qc.ca>

- \* Tru64 support.

Monty Taylor <monty.taylor@gmail.com>

- \* Solaris 10 + Sun Studio fixes.

Alek Storm <alek.storm@gmail.com>

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

Oleg Smolsky <oleg.smolsky@gmail.com>

- \* MS Visual Studio error format option.
- \* Detect unordered\_map in stl\_hash.m4.

Brian Olson <brianolson@google.com>

- \* gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>

- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- \* Added generation of field number constants.

Wink Saville <wink@google.com>

- \* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

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

Alexandre Vassalotti <alexandre@peadrop.com>

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

Scott Stafford <scott.stafford@gmail.com>

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

Alexander Melnikov <alm@sibmail.ru>

- \* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- \* Detect whether zlib is new enough in configure script.
- \* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

- \* Optimize Java serialization code when writing a small message to a stream.
- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.
- \* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

- \* Added CodedInputStream.getTotalBytesRead().

Kacper Kowalik <xarthisius.kk@gmail.com>

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

William Orr <will@worrbase.com>

- \* Fixed detection of sched\_yield on Solaris.
- \* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- \* Fixed minor IBM xLC compiler build issues
- \* Added atomicops for AIX (POWER)

# 1.692 python 3.6.7-1~18.04

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from [ftp.python.org/pub/python](http://ftp.python.org/pub/python), based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

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### A. HISTORY OF THE SOFTWARE

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

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

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

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| 1.3 thru 1.5.2 | 1.2             | 1995-1999 | CNRI       | yes                     |
| 1.6            | 1.5.2           | 2000      | CNRI       | no                      |
| 2.0            | 1.6             | 2000      | BeOpen.com | no                      |
| 1.6.1          | 1.6             | 2001      | CNRI       | yes (2)                 |
| 2.1            | 2.0+1.6.1       | 2001      | PSF        | no                      |
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| 2.2            | 2.1.1           | 2001      | PSF        | yes                     |
| 2.1.2          | 2.1.1           | 2002      | PSF        | yes                     |
| 2.1.3          | 2.1.2           | 2002      | PSF        | yes                     |
| 2.2.1          | 2.2             | 2002      | PSF        | yes                     |
| 2.2.2          | 2.2.1           | 2002      | PSF        | yes                     |
| 2.2.3          | 2.2.2           | 2003      | PSF        | yes                     |
| 2.3            | 2.2.2           | 2002-2003 | PSF        | yes                     |
| 2.3.1          | 2.3             | 2002-2003 | PSF        | yes                     |
| 2.3.2          | 2.3.1           | 2002-2003 | PSF        | yes                     |
| 2.3.3          | 2.3.2           | 2002-2003 | PSF        | yes                     |
| 2.3.4          | 2.3.3           | 2004      | PSF        | yes                     |
| 2.3.5          | 2.3.4           | 2005      | PSF        | yes                     |
| 2.4            | 2.3             | 2004      | PSF        | yes                     |
| 2.4.1          | 2.4             | 2005      | PSF        | yes                     |
| 2.4.2          | 2.4.1           | 2005      | PSF        | yes                     |
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| 2.6.1          | 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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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11, January 15th, 2017

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

\*/

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# 1.696 protobuf 1.27.1

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\* /wsgiref-0-1-2-2-zip/wsgiref-0.1.2/wsgiref/validate.py

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Metadata-Version: 1.0

Name: wsgiref  
Version: 0.1.2  
Summary: WSGI (PEP 333) Reference Library  
Home-page: <http://cheeseshop.python.org/pypi/wsgiref>  
Author: Phillip J. Eby  
Author-email: [web-sig@python.org](mailto:web-sig@python.org)  
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Description: This is a standalone release of the ``wsgiref`` library to be included in Python 2.5. For the standalone version's documentation, see:

HTML  
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Platform: UNKNOWN

Found in path(s):  
\* /wsgiref-0-1-2-2-zip/wsgiref-0.1.2/wsgiref.egg-info/PKG-INFO  
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## 1.701 pyyaml 5.4.1

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# 1.702 activation-api 1.2.1

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Upstream-Contact: Hisham Muhammad <lode@gobolinux.org>

Source: <http://hisham.hm/htop/releases/>

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#

```
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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.

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From strings/apr\_fnmatch.c, include/apr\_fnmatch.h, misc/unix/getopt.c, file\_io/unix/mktemp.c, strings/apr\_strings.c:

/\*

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From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

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From dso/aix/dso.c:

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From strings/apr\_strnatcmp.c,  
include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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strings/apr\_snprintf.c:

- \*
- \* cvt - IEEE floating point formatting routines.
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This package was debianized by Thom May <thom@debian.org> on Wed, 17 Nov 2004 11:27:14 -0800

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From strings/apr\_fnmatch.c, include/apr\_fnmatch.h,  
misc/unix/getopt.c,  
file\_io/unix/mktemp.c, strings/apr\_strings.c:

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```
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From dso/aix/dso.c:

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```

From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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```
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Source: [http://git.netfilter.org/libnetfilter\\_conntrack](http://git.netfilter.org/libnetfilter_conntrack)

Files: \*

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## 1.722 libn13 3.2.29-0ubuntu3

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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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#### RSA

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CAMELLIA

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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

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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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The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

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## 1.726 argon2 0~20161029-1.1

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## 1.727 yaml 1.3.0

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# 1.732 cmux 0.1.5

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# 1.733 intern 1.0.0

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