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

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

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1.5 cloud-initramfs-tools 0.40ubuntu1.1

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@version 3.0 (December 2000)

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

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

DES core in libhcrypto

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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1.10 python-defaults 3.6.7-1~18.04
1.10.1 Available under license:
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.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.
A. HISTORY OF THE SOFTWARE

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

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

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

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py3compile, py3clean and debpython module:

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1.11 ubuntu-advantage-tools 27.0

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1.14 liblockfile 1.14-1.1

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1.15 mitchellh-mapstructure 1.4.1

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1.16 afero 1.5.1

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1.17 openzipkin-contrib-zipkin-go-opentracing 0.4.5

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**1.19 httpcomponents-core 4.3.2**

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* /opt/cola/permits/1263516747_1643662729.3/0/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/GetListFromLoadable.java
* /opt/cola/permits/1263516747_1643662729.3/0/kubernetes-client-4-6-3-sources-jar/io/fabric8/kubernetes/client/dsl/Operation.java
1.21 ssh-import-id 5.7 0ubuntu1.1

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Argon2 reference source code package - reference C implementations

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Daniel Dinu, Dmitry Khovratovich, Jean-Philippe Aumasson, and Samuel Neves

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1.31 libpsl 0.19.1-5build1

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Now maintained by:
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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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License: Haines
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.

Contributors to this code include:

Kevin Hughes, kevinh@pulua.hcc.hawaii.edu

Eric Haines, erich@eye.com
"macmartinized" polygon code copyright 1992 by Eric Haines, erich@eye.com

Randy Terbush, randy@zyzzyva.com
port to Apache module format, "base_uri" and support for relative URLs

James H. Cloos, Jr., 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

Nathan Kurz, 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.

Mark Cox, mark@ukweb.com, Allow relative URLs even when no base specified

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- 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.

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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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C LALR(1) parser skeleton written by Richard Stallman, by simplifying the original so-called "semantic" parser.

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# version 0.1
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1.41 xmlsec 1.2.25-1build1

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1.44 github.com/osrg/gobgp

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1.46 diffutils 3.6-1

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- cipher/sha256-avx2-bmi2-amd64.S
- cipher/sha256-ssse3-amd64.S
- cipher/sha512-avx-amd64.S
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1.58 newt 0.19.7-2

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1.62 man-pages 4.15-1

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

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The End

#perl

copyright.t

copyright.t

declaration

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

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

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

cut

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

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

my ($opt) = @ARGV;

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

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions: if ($opt eq '--now')

my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

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

sub readme_year
# returns the latest copyright year from the top-level README file
{
open my $readme, '<', '../README' or die "Opening README failed: $!";

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

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

$year;
}

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

$year;
}
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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 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
* [12]GPL Font Exception: The situation is resolved by granting an
additional permission to allow documents to not be covered by the
GPL. (The exception is being reviewed).

The Ubuntu Font Family must also resolve this conflict, ensuring that
if the font is embedded and then extracted it is once again clearly
under the terms of its libre licence.

Long-term licensing

Those individuals involved, especially from Ubuntu and Canonical, are
interested in finding a long-term libre licence that finds broad favour
across the whole libre/open font community. The deliberation during the
past months has been on how to licence the Ubuntu Font Family in the
short-term, while knowingly encouraging everyone to pursue a long-term
goal.
* [13]Copyright assignment will be required so that the Ubuntu Font
Family’s licensing can be progressively expanded to one (or more)
licences, as best practice continues to evolve within the
libre/open font community.
* Canonical will support and fund legal work on libre font licensing.
   It is recognised that the cost and time commitments required are
   likely to be significant. We invite other capable parties to join
   in supporting this activity.

The GPL version 3 (GPLv3) will be used for Ubuntu Font Family build
scripts and the CC-BY-SA for associated documentation and non-font
content: all items which do not end up embedded in general works and
documents.

Ubuntu Font Licence
For the short-term only, the initial licence is the Ubuntu Font License (UFL). This is loosely inspired from the work on the SIL OFL 1.1, and seeks to clarify the issues that arose during discussions and legal review, from the perspective of the backers, Canonical Ltd. Those already using established licensing models such as the GPL, OFL or Creative Commons licensing should have no worries about continuing to use them. The Ubuntu Font Licence (UFL) and the SIL Open Font Licence (SIL OFL) are not identical and should not be confused with each other. Please read the terms precisely. The UFL is only intended as an interim license, and the overriding aim is to support the creation of a more suitable and generic libre font licence. As soon as such a licence is developed, the Ubuntu Font Family will migrate to it made possible by copyright assignment in the interim. Between the OFL 1.1, and the UFL 1.0, the following changes are made to produce the Ubuntu Font Licence:

* Clarification:

1. Document embedding (see [embedding section above]).
2. Apply at point of distribution, instead of receipt
3. Author vs. copyright holder disambiguation (type designers are authors, with the copyright holder normally being the funder)
4. Define "Propagate" (for internationalisation, similar to the GPLv3)
5. Define "Substantially Changed"
6. Trademarks are explicitly not transferred
7. Refine renaming requirement

Streamlining:

8. Remove "not to be sold separately" clause
9. Remove "Reserved Font Name(s)" declaration

A visual demonstration of how these points were implemented can be found in the accompanying coloured diff between SIL OFL 1.1 and the Ubuntu Font Licence 1.0: [ofl-1.1-ufl-1.0.diff.html](http://scripts.sil.org/OFL_web)

References

8. [http://code.google.com/webfonts](http://code.google.com/webfonts)
9. [http://www.gnu.org/licenses/gpl-faq.html#CanIUseGPLToolsForNF](http://www.gnu.org/licenses/gpl-faq.html#CanIUseGPLToolsForNF)
12. [http://www.gnu.org/licenses/gpl-faq.html#FontException](http://www.gnu.org/licenses/gpl-faq.html#FontException)
1.68 ruby-minitest 5.10.3

1.68.1 Available under license:
No license file was found, but licenses were detected in source scan.

```ruby
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013995703_1594215004.09/0/ruby-minitest-5-10-3-orig-tar-gz/minitest-5.10.3/README.rdoc
No license file was found, but licenses were detected in source scan.

# more details.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013995703_1594215004.09/0/ruby-minitest-5-10-3-orig-tar-gz/minitest-5.10.3/lib/minitest/benchmark.rb
```

1.69 acl 2.2.52

1.69.1 Available under license:
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Version 2.1 of the GNU Lesser General Public License (see COPYING.LGPL).

Some components (as annotated in the source) are licensed
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```
```
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Version 2.1, February 1999

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

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

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

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### 1.82 certifi 2018.1.18

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

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

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

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


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 $

### 1.83 pyopenssl 17.5.0-1ubuntu1

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1.87 cdebconf 0.213ubuntu1

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- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.6/Lib/lib2to3/fixes/fix_dict.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.8/Lib/lib2to3/fixes/fix_buffer.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.6/Lib/lib2to3/fixes/fix_standerror.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.7/Lib/lib2to3/fixes/fix_dict.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.6/Lib/lib2to3/fixes/fix_xrange.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.8/Lib/lib2to3/fixes/fix_xrange.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.7/Lib/lib2to3/fixes/fix_filter.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.6/Lib/lib2to3/fixes/fix_filter.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.7/Lib/lib2to3/fixes/fix_map.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.8/Lib/lib2to3/fixes/fix_map.py`
- `/opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5.3.7/Lib/lib2to3/fixes/fix_standerror.py`
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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 '>'

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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/PatternGrammar.txt
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/PatternGrammar.txt
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/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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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/literals.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
file.write('License: %s
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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/python3-stddlib-extensions-3-6-9-orig-tar-bz2/python3-stddlib-extensions-3-7.5/3.8/Lib/distutils/dist.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/python3-stddlib-extensions-3-6-9-orig-tar-bz2/python3-stddlib-extensions-3-7.5/3.7/Lib/distutils/dist.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/python3-stddlib-extensions-3-6-9-orig-tar-bz2/python3-stddlib-extensions-3-7.5/3.7/Lib/distutils/dist.py

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1.102 jinja2 2.11.3
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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.3
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
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Project-URL: Code, https://github.com/pallets/jinja
Description: Jinja

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing

Install and update using `pip`:
$ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
    <ul>
    {% for user in users %}
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
    {% endfor %}
    </ul>
    {% endblock %}

Links
-----

- Website: https://palletsprojects.com/p/jinja/
- Documentation: https://jinja.palletsprojects.com/
- Releases: https://pypi.org/project/Jinja2/
- Code: https://github.com/pallets/jinja
- Issue tracker: https://github.com/pallets/jinja/issues
- Test status: https://dev.azure.com/pallets/jinja/_build
- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="A very fast and expressive template engine.",
    long_description=readme,
    classifiers=[
        "Development Status :: 5 - Production/Stable",
        "Environment :: Web Environment",
        "Intended Audience :: Developers",
    ]
)
"License :: OSI Approved :: BSD License",
"Operating System :: OS Independent",
"Programming Language :: Python",
"Programming Language :: Python :: 2",
"Programming Language :: Python :: 2.7",
"Programming Language :: Python :: 3",
"Programming Language :: Python :: 3.5",
"Programming Language :: Python :: 3.6",
"Programming Language :: Python :: 3.7",
"Programming Language :: Python :: 3.8",
"Programming Language :: Python :: Implementation :: CPython",
"Programming Language :: Python :: Implementation :: PyPy",
"Topic :: Internet :: WWW/HTTP :: Dynamic Content",
"Topic :: Software Development :: Libraries :: Python Modules",
"Topic :: Text Processing :: Markup :: HTML",

],
packages=find_packages("src"),
package_dir={":": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"],}

Found in path(s):
* /opt/cola/permits/1160876753_1620411588.74/0/jinja2-2-11-3-1-tar-gz/Jinja2-2.11.3/setup.py

1.103 libxdmcp 1.1.2-3
1.103.1 Available under license :

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1.104 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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* 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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1.107 pam 1.1.8-3.6ubuntu2.18.04.3

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

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

+int display_legal(pam_handle_t *pamh)
+{
+  int retval = PAM_IGNORE, rc;
+  char *user = NULL;
+  char *dir = NULL;
+  char *flag = NULL;
+  struct passwd *pwd = NULL;
+  struct stat s;
int f;
/* Get the user name to determine if we need to print the disclaimer */
rc = pam_get_item(pamh, PAM_USER, &user);
if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0') {
    PAM_MODUTIL_DEF_PRIVS(privs);

    /* Get the password entry */
pwd = pam_modutil_getpwnam (pamh, user);
if (pwd != NULL) {
    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
        pam_syslog(pamh, LOG_ERR,
                   "Unable to change UID to %d temporarily\n",
                  pwd->pw_uid);
        retval = PAM_SESSION_ERR;
        goto finished;
    }

    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
        goto finished;
    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
        goto finished;

    if (stat(flag, &s) != 0)
        {
            display_file(pamh, "/etc/legal");
            mkdir(dir, 0700);
            f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
                     S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
            if (f>=0) close(f);
        }

    finished:
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,
                   "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
    }
    _pam_drop(flag);
    _pam_drop(dir);
} }
return retval;
}
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags, int argc, const char **argv)
@@ -116,6 +171,9 @@
 /* Display the updated motd */
     display_file(pamh, motd_path);

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

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

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

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1.109 pkg 0.0.0-20180108230652-97fdf19511ea

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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

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```
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1.117 xdg-user-dirs 0.17 1ubuntu1

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1.120 bigdecimal 1.3.4

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1.121 golang-glog 0.0.0-20210429001901-424d2337a529

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1.122 update-manager 18.04.11.13

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This package was debianized by Michiel Sikkes <michiel@eyesopened.nl> on

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1.131 libseccomp 2.5.1-1ubuntu1~18.04.1

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1.132 debianutils 4.8.4

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1.134.1 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
autoconf -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.
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

[ Cyril Brulebois ]
+ * 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
* New upstream release.
  + Fix 64bit support (closes: #521887)

+ * Bump Standards-Version to 3.8.3.
+ -- Julien Cristau <jcristau@debian.org>  Wed, 25 Nov 2009 19:20:17 +0100
+ * Bump Standards-Version to 3.8.3.
  + * Drop -1 debian revisions from build-deps.
  + libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a
    dependency on x11-common.
  + * Build libxmu-headers in binary-indep instead of binary-arch
    (closes: #486418). Thanks, Martin Koepp!
  + * 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
+ * Drop -1 debian revisions from build-deps.
  + libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a
    dependency on x11-common.
  + * Build libxmu-headers in binary-indep instead of binary-arch
    (closes: #486418). Thanks, Martin Koepp!
  + * Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
  + * Handle parallel builds.
+ -- Julien Cristau <jcristau@debian.org>  Wed, 25 Nov 2009 19:20:17 +0100
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
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, 17 Jan 2008 14:57:47 +0100

libxmu (1:1.0.2-2) unstable; urgency=low

* Test for obj-$(DEB_BUILD_GNU_TYPE) before creating it during build;
  idempotency fix.

* dbg package has priority extra.

-- Andres Salomon

-- Drew Parsons

-- 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),
+  + db-autoreconf,
+  + libx11-dev (>= 1:0.99.2),
+  + libxt-dev (>= 1:0.99.1),
+  + libxext-dev (>= 1:0.99.1),
+  + pkg-config,
+  + quilt,
+  + automake,
+  + libtool,
+  + xutils-dev (>= 1:7.6+2),
+  +# devel-docs:
+  + xmlto (>= 0.0.22),
+  + xorg-sgml-doctools (>= 1:1.8),
+  + w3m,
+  + Standards-Version: 3.9.6
+  + Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+  + Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
+  +
+  + Package: libxmu6
+  + Section: libs
+  + Architecture: any
+  + Multi-Arch: same
+  + Pre-Depends: ${misc:Pre-Depends}
+  + Depends: ${shlibs:Depends}, ${misc:Depends}
+  + Description: X11 miscellaneous utility library
+  + libXmu provides a set of miscellaneous utility convenience functions for X
+  + libraries to use. libXmuu is a lighter-weight version that does not depend
+  + on libXt or libXext; for more information, see libxmuu1.
+  +
+  + More information about X.Org can be found at:
+  + <URL:http://www.X.org>
+  +
+  + This module can be found at
+  + git://anongit.freedesktop.org/git/xorg/lib/libXmu
+  +
+  + Package: libxmu6 dbg
+  + Section: debug
+  + Architecture: any
+  + Multi-Arch: same
+  + Priority: extra
+  + Depends: ${shlibs:Depends}, ${misc:Depends}, libxmu6 (= ${binary:Version})
+  + Description: X11 miscellaneous utility library (debug package)
+  + libXmu provides a set of miscellaneous utility convenience functions for X
+  + libraries to use. libXmuu is a lighter-weight version that does not depend
+  + on libXt or libXext; for more information, see libxmuu1.
+  +
+  + This package contains the debug versions of the library found in libxmu6.
Non-developers likely have little use for this package.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmu-dev
Section: libdevel
Architecture: any
Multi-Arch: same
Description: X11 miscellaneous utility library (development headers)
libXmu provides a set of miscellaneous utility convenience functions for X
libraries to use. libXmuu is a lighter-weight version that does not depend
on libXt or libXext; for more information, see libxmuu1.

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

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu1
Section: libs
Architecture: any
Multi-Arch: same
Pre-Depends: ${misc:Pre-Depends}
Depends: ${shlibs:Depends}, ${misc:Depends}
Description: X11 miscellaneous micro-utility library
libXmuu provides a set of miscellaneous utility convenience functions for X
libraries to use. It is a lighter version of libXmu that does not depend
on libXt or libXext; for more information on libXmu, see libxmu6.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu1-dbg
Section: debug
Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version})
+Description: X11 miscellaneous micro-utility library (debug package)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+ .
+ This package contains the debug versions of the library found in libxmuu1.
+ Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmuu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version}), libxmu-headers (= ${source:Version})
+Description: X11 miscellaneous micro-utility library (development headers)
+ libXmuu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. It is a lighter version of libXmu that does not depend
+ on libXt or libXext; for more information on libXmu, see libxmu6.
+ .
+ This package contains the development headers for the library found in
+ libxmuu1. Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu-headers
+Section: libdevel
+Architecture: all
+Multi-Arch: foreign
+Depends:
+ libx11-dev,
+ x11proto-core-dev,
+ ${misc:Depends},
+Description: X11 miscellaneous utility library headers
+ libXmu and libXmuu are miscellaneous utility libraries for X library
+ developers to abstract some common functions. This package provides the
headers for both libraries (as libXmuu is a subset of libXmu), and
is depended upon by both. For more information, please see libxmu-dev or
libxmuu-dev.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
git://anongit.freedesktop.org/git/xorg/lib/libXmu
--- libxmu-1.1.2.orig/debian/copyright
+++ libxmu-1.1.2/debian/copyright
@@ -0,0 +1,77 @@
+This package was downloaded from
+http://xorg.freedesktop.org/releases/individual/lib/
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+
---------
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Xmu/StrToBmap.c and Xmu/GrayPixmap.c also have:
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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/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-dbgsigning
+dh_strip -plibxmuu1 --dbg-package=libxmuu1-dbgsigning
--- libxmu-1.1.2.orig/debian/watch
+++ libxmu-1.1.2/debian/watch
@@ -0,0 +1,3 @@
+##git=git://anongit.freedesktop.org/xorg/lib/libXmu
+version=3
+http://xorg.freedesktop.org/releases/individual/lib/libXmu-(.*)\.tar\.gz

Found in path(s):
1.135 keyutils 1.5.9 9.2ubuntu2

1.135.1 Available under license:

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Summary: Portable network interface information.
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1. What is this?

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?

First you need to install it, which you can do by typing::

    tar xzvf netifaces-0.10.4.tar.gz
    cd netifaces-0.10.4
    python setup.py install

Once that's done, you'll need to start Python and do something like the following::

    >>> import netifaces

Then if you enter

    >>> netifaces.interfaces()

['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

    >>> netifaces.ifaddresses('lo0')

{18: [{'addr': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '::', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::80::1%lo0'}]}

Description: netifaces 0.10.4
Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first:

```
{ 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is "AF_LINK" (which means the link layer interface, e.g. Ethernet), 2 is "AF_INET" (normal Internet addresses), and 30 is "AF_INET6" (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the "AF_INET" addresses now:

```python
>>> addrs = netifaces.ifaddresses('lo0')
>>> addrs[netifaces.AF_INET]
[{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]
```

You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.

*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

```python
>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set
to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We can do

```python
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a'}]
```

Note that this may not be available on platforms without getifaddrs(), unless they happen to implement `"SIOCGIFHWADDR"`. Note also that you just get the address; it's unlikely that you'll see anything else with an `"AF_LINK"` address.

Oh, and don't assume that all `"AF_LINK"` addresses are Ethernet; you might, for instance, be on a Mac, in which case:

```python
>>> addrs = netifaces.ifaddresses('fw0')
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a:bc:de'}]
```

No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire address.

As of version 0.10.0, you can also obtain a list of gateways on your machine:

```python
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': { 2: ('10.0.1.1', 'en0'), 30: ('fe80::1', 'en0') }}
```

This dictionary is keyed on address family---in this case, `"AF_INET"`---and each entry is a list of gateways as `(address, interface, is_default)` tuples. Notice that here we have two separate gateways for IPv4 (`"AF_INET"`); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special value `"default"`, which returns a dictionary mapping address families to the default gateway in each case. Thus you can get the default IPv4 gateway with

```python
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for `"AF_INET"`. 

---

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BTW, if you're trying to configure your machine to have multiple gateways for the same address family, it's a very good idea to check the documentation for your operating system *very* carefully, as some systems become extremely confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the `gateways()` method doesn't produce the expected results. It's quite complicated extracting this information from the operating system (whichever operating system we're talking about), and so I expect there's at least one system out there where this just won't work.

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Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
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Classifier: Topic :: System :: Networking
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.5
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3

Found in path(s):
* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/PKG-INFO
* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/netifaces.egg-info/PKG-INFO

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

netifaces 0.10.4
================

.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?

----------

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?

----------
First you need to install it, which you can do by typing:

```
tar xvzf netifaces-0.10.4.tar.gz
cd netifaces-0.10.4
python setup.py install
```

Once that's done, you'll need to start Python and do something like the following:

```python
>>> import netifaces
```

Then if you enter

```python
>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```python
>>> netifaces.ifaddresses('lo0')
{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': 'ffff:ffff:ffff:ffff::', 'addr': 'fe80::1%lo0'}]}
```

Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first:

```
{ 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is ``AF_LINK`` (which means the link layer interface, e.g. Ethernet), 2 is ``AF_INET`` (normal Internet addresses), and 30 is ``AF_INET6`` (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the ``AF_INET`` addresses now:

```python
>>> addrs = netifaces.ifaddresses('lo0')
```
You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.

*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

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('10.0.1.1', 'en0')
```

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* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/README.rst

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

license="MIT License",
'License :: OSI Approved :: MIT License',

Found in path(s):
* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/setup.py

1.140 openssl 1.1.1l

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The End

1.141 libvmtools 11.0.5-4ubuntu0.18.04.1

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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...
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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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1.142 xdelta 3.0.11-dfsg-1ubuntu1

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1.144 pkg-sftp 1.13.2

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1.148 evanphx-json-patch 0.5.3-
0.20210601025549-3e2cfc05e32a

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## 1.149 apt-utils 1.6.14

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1.159 pyyaml 3.12-1build2

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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.)

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

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

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@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 libhcrypto

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D3DES (V5.09) -

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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)
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1.181 nspr 4.18 1ubuntu1

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1.183 libasounddata 1.1.3-5ubuntu0.6

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1.184 zlib 1.2.11
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version 1.2.11, January 15th, 2017

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1.190 gogoprotobuf 1.3.2

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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1.191 python-defaults 2.7.15~rc1-1
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Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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===========================

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

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

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

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

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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

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than English.
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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.

\[
\text{JSON-text} = \text{ws value ws}
\]

These are the six structural characters:

\[
\text{begin-array} = \text{ws } \%x5B \text{ ws : [ left square bracket}
\]
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

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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.
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.

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 though 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".

\[\text{string} = \text{quotation-mark} \star \text{char} \text{quotation-mark} \]

\[\text{char} = \text{unescaped} / \text{escape (}%x22 / ; " \text{quotation mark} \text{U+0022} \]

\[\text{escape (~)}%x22 / ; " \text{quotation mark} \text{U+0022} \]
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.
This is a JSON object:

```json
{
  "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:

```json
[
  {
    "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"
  }
]
```
Here are three small JSON texts containing only values:

"Hello world!"

42

ture

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


15.2. Informative References


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Appendix A. Changes from RFC 4627

This section lists changes between this document and the text in RFC 4627.

- Changed the title and abstract of the document.
- Changed the reference to [UNICODE] to be not version specific.
- Added a "Specifications of JSON" section.
- Added an "Introduction to This Revision" section.
- Changed the definition of "JSON text" so that it can be any JSON value, removing the constraint that it be an object or array.
- Added language about duplicate object member names, member ordering, and interoperability.
- Clarified the absence of a requirement that values in an array be of the same JSON type.
- Applied erratum #607 from RFC 4627 to correctly align the artwork for the definition of "object".
- Changed "as sequences of digits" to "in the grammar below" in the
"Numbers" section, and made base-10-ness explicit.

- Added language about number interoperability as a function of IEEE754, and added an IEEE754 reference.

- 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".

- Changed guidance in the "Parsers" section to point out that implementations may set limits on the range "and precision" of numbers.

- Updated and tidied the "IANA Considerations" section.

- Made a real "Security Considerations" section and lifted the text out of the previous "IANA Considerations" section.

- 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.

- 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.

- Added a note to the "IANA Considerations" clarifying the absence of a "charset" parameter for the application/json media type.

- Changed "100" to 100 and added a boolean field, both in the first example.

- Added examples of JSON texts with simple values, neither objects nor arrays.
- Added a "Contributors" section crediting Douglas Crockford.

- Added a reference to RFC 4627.

- 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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Google, Inc.

EMail: tbray@textuality.com

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Found in path(s):
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/references/rfc7159.txt

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

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

Found in path(s):
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Parser.rl

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

/*
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* remains attached.
*/

Found in path(s):
* /opt/cola/permits/1112082490_1607034739.82/0/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.

# 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 it 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 <mmacvicar@gmail.com> and fixing
  `space_before` accessor in generator.
* Performance on Jruby improved by Ben Browning <bbrownin@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/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
<bkabrda@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)

## 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:
* 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 <pdcawley@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 hexa decimals) 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):
* /opt/cola/permits/1112082490_1607034739.82/0/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.

/* 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):
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/data/prototype.js
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/*
* This code is copyrighted work by Daniel Luz <dev at mernen dot com>.
* */
1.199 popt 1.16-11
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1.200 github.com/dgryski/go-farm 0.0.0-20200201041132-a6ae2369ad13

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1.201 procps 3.3.12-3ubuntu1.2

1.201.1 Available under license:
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1.202 grub2 2.02-2ubuntu8.23

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1.211 shim 14

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1.212 go-grpc-prometheus 1.2.0

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1.213 lxc 3.0.3-0ubuntu1~18.04.1

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1.214 mdadm 4.1~rc1 3~ubuntu18.04.4

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### 1.215 go-toml 1.9.3

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localtime.go, localtime_test.go:

Originals:
  https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go
  https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go

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

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1.216 python-jsonschema 2.6.0-2

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1.217 configobj 5.0.6-4.ph3
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1.218 python-pam 0.4.2-13.2ubuntu4

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rijndael-alg-fst.c

version 3.0 (December 2000)

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

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 * 605 E. Springfield, Champaign, IL 61820
 * httpd@ncsa.uiuc.edu
 *
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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)

*/

1.236 python-jsonpointer 1.10-1

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1.238 multiarch-support 2.27-3ubuntu1.4

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@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

http://sourceforge.net/projects/e2fsprogs

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

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

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

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#
# This is 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): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(RM) -f ../$(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 Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Gadi Oxman, August 1995

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1.241 libutempter 1.1.6 3
1.241.1 Available under license :

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

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```
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SUCH DAMAGE.
"@(#)mail3.nr8.1 (Berkeley) 6/8/93
```

Mail

includes a simple facility for maintaining groups of messages together
in folders. This section describes this facility.
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
\[ set folder=letters \]
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 .

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:
\[ save +classwork \]
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.

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,
\[ copy +classwork \]
copies the current message into the
folder and leaves a copy in your system mailbox.

The
folder command
can be used to direct
Mail to the contents of a different folder.
For example,

folder +classwork
directs
Mail to read the contents of the
folder. All of the commands that you can use on your system
mailbox are also applicable to folders, including
type, delete, and reply.
To inquire which folder you are currently editing, use simply:

folder
To list your current set of folders, use the
folders command.

To start
Mail reading one of your folders, you can use the
\f option described in section 2. For example:

Mail \f +classwork
will cause
Mail to read your
folder without looking at your system mailbox.
This section describes the format of messages. Messages begin with a `From` line, which consists of the word `From` followed by a user name, followed by anything, followed by a date in the format returned by the `ctime` library routine described in section 3 of the Unix Programmer's Manual. A possible `ctime` format date is:

```
(Tue Dec 1 10:58:23 1981)
```
The ctime date may be optionally followed by a single space and a time zone indication, which should be three capital letters, such as PDT.

Following the from line are zero or more "header field" lines. Each header field line is of the form:

name: information

Name can be anything, but only certain header fields are recognized as having any meaning. The recognized header fields are:

article-id, bcc, cc, from, reply-to, sender, subject, and 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.

If any headers are present, they must be followed by a blank line.

The part that follows is called the 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.
The message delivery system always adds a blank line to the end of each message. This blank line must not be deleted.

The UUCP message delivery system sometimes adds a blank line to the end of a message each time it is forwarded through a machine.

It should be noted that some network transport protocols enforce limits to the lengths of messages.

Mail Command	Description
-------------------------
\[message list\]t type message(s).
\[message list\]more read message(s), through the $PAGER
go to and type next message.
\[message list\]e edit message(s).
\[message list\]f give head lines of messages.
\[message list\]d delete message(s).
\[message list\]s <file> append message(s) to file.
\[message list\]u undelete message(s).
\[message list\]R reply to message sender(s).
\[message list\]r reply to message sender(s) and all recipients.
\[message list\]p print message list.
\[message list\]pre make messages go back to /var/mail.
\[message list\]m mail to specific recipient(s).
quit, saving unresolved messages in mbox.
xquit, do not remove system mailbox.
hprint out active message headers.
!shell escape.
\[msglist\] command pipe message(s) to shell command.
\[msglist\] pi pipe message(s) to shell command.
\[directory\] cd chdir to directory or home if none given
\[file\] fi 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 path name, +folder, % (system inbox), %user (specified user's system inbox), # (previous file), & (mbox file), or an expression understood by $[SHELL:-/bin/sh] -c 'echo ...'.
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.
@(#)mail1.nr 8.1 (Berkeley) 6/8/93

Introduction

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 ed-like commands for manipulating messages and sending mail.

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, Mail is able to send and receive messages across such networks as the ARPANET, UUCP, and Berkeley network.

This document describes how to use the 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 UNIX shell, the text editor, and some of the common UNIX commands. "The UNIX Programmer's Manual," "An Introduction to Csh," and "Text Editing with Ex and Vi" can be consulted for more information on these topics.

A word of explanation is in order here concerning the name Mail: the original UNIX mail program was known as /bin/mail. The BSD mail program was called Mail to differentiate it from the older mail program.
is not included in OpenBSD so there is no ambiguity and the BSD mail program is installed as
\texttt{/usr/bin/mail} ;
\texttt{/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,
\texttt{mailx}.

In this document, we use the original name, `Mail', to refer to any of these.

---

Here is how messages are handled:
the mail system accepts incoming messages for you from other people and collects them in a file, called your
"system mailbox".

When you log in, the system notifies you if there are any messages waiting in your system mailbox. If you are a \texttt{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 \texttt{/var/mail} in a file with your login name. If your login name is \texttt{sam}, then you can make \texttt{csh}


notify you of new mail by including the following line in your \texttt{.cshrc} file:
\texttt{(set mail=/var/mail/sam)}

When you read your mail using \texttt{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.
The `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, `root`, use the shell command:
```bash
% Mail root
```
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
```bash
Mail
```
to echo `EOT` and return you to the Shell. When the user you sent mail to next logs in, he will receive the message:
```bash
You have mail.
```
to alert him to the existence of your message.
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
(have been sent since you last read your mail) and
(have been read by you). New messages have an
.next to them in the header listing and old, but unread messages have
.a
.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,
\( l \)
\( t \)
\( r \)

to type the current message. As a further shorthand, you can type a message by simply giving its message number. Hence,
\( l \)
\( r \)
\( l \)

would type the first message.

Frequently, it is useful to read the messages in your mailbox in order, one after another. You can read the next message in
\( mail \)
by simply typing a newline. As a special case, you can type a newline as your first command to
\( mail \)
to type the first message.

If, after reading a message, you wish to immediately send a reply, you can do so with the
\( reply \)
command.

\( reply \)
like
\( type \)
takes a message number as an argument.

\( mail \)
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.

\( mail \)
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:
\( r \)
\( reply \)
\( r \)
\( reply \)
\( to: root \)
\( subject: Re: Tuition fees \)

and waiting for you to enter your letter.

You are now in the message collection mode described at the beginning of this section and
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 "To:" header listing several recipients, Mail would arrange to send your reply to the same people as well. Similarly, if the original message contained a "Cc:" (carbon copies to) field, Mail would send your reply to those users, too. Mail is careful, though, not to send the message to you, even if you appear in the "To:" or "Cc:" field, unless you ask to be included explicitly. See section 4 for more details.

After typing in your letter, the dialog with Mail might look like the following:

```
reply
To: root
Subject: Tuition fees

Thanks for the reminder
EOT
&
)
.
```

The `reply` command is especially useful for sustaining extended conversations over the message system, with other "listening" users receiving copies of the conversation. The
Sometimes you will receive a message that has been sent to several people and wish to reply only to the person who sent it. Reply with a capital R replies to a message, but sends a copy to the sender only.

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 mail command, which takes as arguments the names of the recipients you wish to send to. For example, to send a message to frank, you would do:

```
mail frank
This is to confirm our meeting next Friday at 4.
EOT
&
```l
The mail command can be abbreviated to m.

Normally, each message you receive is saved in the file mbox in your login directory at the time you leave 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 mbox you can delete it using the delete command. In our example,

```
delete 1
```l
will prevent
from saving message 1 (from root) in
mbox.
In addition to not saving deleted messages, Mail
will not let you type them, either. The effect is to make the message disappear altogether, along with its number. The delete command can be abbreviated to simply d.

Many features of Mail can be tailored to your liking with the set command. The set command has two forms, depending on whether you are setting a binary option or a valued option.

Binary options are either on or off. For example, the ask option informs 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 ask option, you would type
(set ask)

Another useful Mail option is hold. Unless told otherwise, Mail moves the messages from your system mailbox to the file mbox in your home directory when you leave Mail.

If you want
to keep your letters in the system mailbox instead, you can set the
hold option.

Valued options are values which
uses to adapt to your tastes. For example, the
SHELL option tells
which shell you like to use, and is specified by

```
set SHELL=/bin/csh
```
for example. Note that no spaces are allowed in
```
"SHELL=/bin/csh."
```
A complete list of the
options appears in section 5.

Another important valued option is
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
crt option, you can make
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 \BPAGER\P.
If \BPAGER\P is not set, a default paginator is used.
For example, most CRT users with 24-line screens should do:
```
set crt=24
```
to paginate messages that will not fit on their screens.
In the default state, \fBmore\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.

Another adaptation to user needs that
provides is that of
\aliases.
An alias is simply a name which stands for one or more
real user names.

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 alias command in

Mail defines an alias. Suppose that the users in a project are named Sam, Sally, Steve, and Susan. To define an alias called project for them, you would use the

Mail command:

```
alias project sam sally steve susan
```

The alias command can also be used to provide a convenient name for someone whose user name is inconvenient. For example, if a user named "Bob Anderson" had the login name anderson," you might want to use:

```
alias bob anderson
```

so that you could send mail to the shorter name, bob.

While the alias and set commands allow you to customize Mail, they have the drawback that they must be retyped each time you enter Mail.

To make them more convenient to use, Mail always looks for two files when it is invoked. It first reads a system wide file /etc/mail.rc, then a user specific file, .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

```
.q letters
```
you can use

```
.i Mail
```
to read them with:

```
%(l
.Mail -f letters
)%
```

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.

```
.p
```

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
)%
```

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
The .b quit command can be abbreviated to simply .b q .

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.

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:

```
!date
```

will print the current date without leaving .i Mail .

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.
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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
```
```
and to print all the messages from the current message to the last
message, use

.q
.type .\-$
..$l
.pp
A
.i name
is a user name. The user names given in the message list are
collected together and each message selected by other means
is checked to make sure it was sent by one of the named users.
If the message consists entirely of user names, then every
message sent by one of those users that is
.i relevant
(in the sense described earlier)
is selected. Thus, to print every message sent to you by
.q root,
do
.q
.type root
..$l
.pp
As a shorthand notation, you can specify simply
.q *
to get every
.i relevant
(same sense)
message. Thus,
.q
.type *
..$l
prints all undeleted messages,
.q
.delete *
..$l
deletes all undeleted messages, and
.q
.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:
.q
from /pascal

Note that subject searching ignores upper/lower case differences.

This section describes all the Mail commands available when receiving mail.

The \texttt{rb -} command goes to the previous message and prints it. The \texttt{rb -} command may be given a decimal number \texttt{n} as an argument, in which case the previous message is gone to and printed.

Prints a brief summary of commands.

Used to preface a command to be executed by the shell.

Like \texttt{print}, but also print out ignored header fields. See also \texttt{Print}, \texttt{Ignore}, and \texttt{Retain}.

Note the capital \texttt{Reply} 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 \texttt{~t}, \texttt{~c}, and \texttt{~b} tilde escapes. The subject in your reply is formed by prefacing the subject in the original message with \texttt{Re:} unless it already began thus.

If the original message included a \texttt{Reply-to} header field, the reply will go only to the recipient named by \texttt{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.

`.BReply\P` (and `.BRespond\P`) can be abbreviated to `.BR\P`.

`.ip "\BType\P"`  
Identical to the `.b Print` command.

`.BType\P` can be abbreviated to `.BT\P`.

`.ip "\Balias\P"`  
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

```plaintext
.alias project john sue willie kathryn

creates an alias

.ip 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).

`.BAlias\P` can be abbreviated to `.BA\P`.

`.ip "\BAliases\P"`  
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).
The `chdir` command allows you to change your current directory. `chdir` takes a single argument, which is taken to be the pathname of the directory to change to. If no argument is given, `chdir` changes to your home directory.

The `copy` command does the same thing that `save` does, except that it does not mark the messages it is used on for deletion when you quit.

The `delete` command deletes a list of messages. Deleted messages can be reclaimed with the `undelete` command.

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, `mail` says ``No more messages.``

To edit individual messages using the text editor, the `edit` command is provided. The `edit` command takes a list of messages as described under the `type` command and processes each by writing it into the file `Message` where `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
Mail will read the message back and remove the file.

Edit can be abbreviated to e.

```
"ifBelse\fP\"
```
Marks the end of the then-part of an if statement and the beginning of the part to take effect if the condition of the if statement is false.

```
"ifBendif\fP\"
```
Marks the end of an if statement.

```
"ifBexit\fP or \fBxit\fP\"
```
Leave Mail without updating the system mailbox or the file you were reading. Thus, if you accidentally delete several messages, you can use exit to avoid scrambling your mailbox.

```
"ifBExit\fP can be abbreviated to \fBex\fP or \fBx\fP.
```
The same as folder.

```
"ifBfile\fP\"
```
The same as file.

```
"ifBfolders\fP\"
```
List the names of the folders in your folder directory.

```
"ifBfolder\fP\"
```
The 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:

```
_.TS
c c
l a.
Name Meaning
--
#Previous file read
%Your system mailbox
The `from` command takes a list of messages and prints out the header lines for each one; hence
```
.l
from joe
```
is the easy way to display all the message headers from `~/mbox`.

When you start up `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 `Subject:` header field of each message, if present. In addition, `Mail` tags the message header of each message that has been the object of the
```
.b preserve
```
command with a `P`. Messages that have been
```
.b saved
```
or
```
.b written
```
are flagged with a `*`. 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.

`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.
.Bind "Headers" can be abbreviated to .Bh.
.ip "Bind "help"
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 .B?
.ip "Bind "hold"
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 .Bdelete command.
.Bind "Hold" can be abbreviated to .Bho.
.ip "Bind "if"
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
endif

).l

An .b else
form is also available:
).l

if send

endif

).l

Note that the only allowed conditions are

 receive
and
 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 "fBlist\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.
List can be abbreviated to l.

.. ip l

.. 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 \ 
   .. arpa.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 "vfBmailvfP\"

   Send mail to one or more people. If you have the
   .. i ask
   .. 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 \vfBmailvfP command can be abbreviated to \vfBmvfP.

   .. ip "vfBmboxvfP\"

   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

have the

option set.

Takes a message list and invokes the pager on that list.

The

command goes to the next message and types it. If given a message list,

goes to the first such message and types it. Thus,

next root


go to and type a message by simply giving its message number or one of the magic characters

^A

^.

or

^$. Thus,

next root

prints the current message and

prints message 4, as described previously.

\BNext\P can be abbreviated to \Bn\P.

Same as

Cause a list of messages to be held in your system mailbox when you quit.

\BPreserve\P can be abbreviated to \Bre\P.

\Bprint\P

Print the specified messages. If the

variable is set, messages longer than the number of lines it indicates are paged through the command specified by the \BPAGER\P variable.
The `print` command can be abbreviated to `p`.

```
quit
```
Terminates the session, saving all undeleted, unsaved and unwritten messages in the user's `Inbox` file in their login directory (messages marked as having been read), preserving all messages marked with `hold` or `preserve` or never referenced in their system mailbox.

Any messages that were deleted, saved, written, or saved to `Inbox` 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 `-f` 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 `exit` command.

```
quit
```
Can be abbreviated to `q`.

```
reply
```
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 `~t`, `~c`, and `~b` tilde escapes. The subject in your reply is formed by prefacing the subject in the original message with

```
"Re:"
```
unless it already began thus.

If the original message included a

```
"reply-to"
```
header field, the reply will go only to the recipient named by

```
"reply-to."
```
You type in your message using the same conventions available to you through the

```
mail
```
command.

The `reply` (and `respond`) command can be abbreviated to `r`.

```
retain
```
Add the list of header fields named to the `retained list`.

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

```
Type
```
and

```
Print
```
commands can be used to print a message in its entirety.

If

```
retain
```
is executed with no arguments, it lists the current set of retained fields.

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.
```

.save can be abbreviated to .s.

.saveignore is to .save what .ignore is to .print and .type.

Header fields thus marked are filtered out when saving a message by .save or when automatically saving to .i mbox.

.saveretain is to .save what .retain is to .print and .type.

Header fields thus marked are the only ones saved with a message when saving by .save or when automatically saving to .i mbox.

.saveretain overrides .saveignore.

.set can be used to customize .i Mail.

Section 5.3 contains a list of the options. Options can be binary, in which case they are on or off, or
To set a binary option:

```
set option
```

do

To give the valued option:

```
set option=value
```

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 `set` command.

`
\set` can be abbreviated to `\se`.

To escape to the shell:

```
\shell
```

Invokes an interactive shell and allows you to type commands to it.

When you leave the shell, you will return to

```
\Mail
```

You can override this default by setting the valued option `\SHELL`, eg:

```
set SHELL=/bin/csh
```

`
\sh` can be abbreviated to `\sh`.

Takes a message list and prints out the size in characters of each message.

```
\size
```

The `
\source` command reads

```
\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,
\(\{\)
set toplines=10
\(\}\)
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 \"\fBuset\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
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. 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.
Mail presents message headers in windowfuls as described under the headers command.

You can move Mail's attention forward to the next window by giving the command. Analogously, you can move to the previous window with:

```
(l
z+
.)l
```

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 Mail to prompt you for a subject header, I am only capitalizing ask as a courtesy to English.

```
.ip "EDITOR"
```

The valued option defines the pathname of the text editor to be used in the `edit` command and ~e escape. If not defined,

```
.i /usr/bin/ex
```

is used.

```
.ip "BLISTER"
```

Pathname of the directory lister to use in the `folders` command. Default is `\bin/Is\.p`.

```
.ip "BMBOX"
```

The name of the `Mbox` file. It can be the name of a folder. The default is `~mbox` in the user's home directory.
Pathname of the program to use for paginating output when it exceeds `\[crt\]` lines. A default paginator is used if this option is not defined.

```
.ip "\fB SHELL\fP\ "
```

The valued option `\fBSHELL\fP` 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 `\fB VISUAL` defines the path name 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 "\fB append\fP\ "
```

The `\fB 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 `\fB append`, you are requesting that `\i mbox` be appended to regardless. It is in any event quicker to append.

```
.ip "\fB ask\fP\ "
```

```
.q "Ask"
```

is a binary option which causes `\fIMail\fP` 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 "\fB askbcc\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.
.q Askcc
is a binary option which
causes you to be prompted for additional carbon copy recipients at the
dead 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.
The name of the directory to use for storing folders of messages. If this name begins with a `/`
 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
.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
commmand mode.
.ip "\fBindentprefix\fP\ "
String used by the \fB~m\fP tild 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:
.1
chmod 600 /var/mail/yourname
.1
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 "ifBkeepsave\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 "ifBmetoo\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 "ifBnoheader\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 "ifBnosave\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 "ifBReplyall\fP\ " Reverses the sense of
.i reply
and
.i Reply
commands.
The binary option `quiet` suppresses the printing of the version when `Mail` is first invoked, as well as printing the for example `"Message 4:"` from the `type` command.

If you love to keep records, then the valued option `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.

When `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 `screen` overrides this calculation and specifies how many message headers you want printed. This number is also used for scrolling with the `z` command.

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.

To use an alternate mail delivery system, set the option to the full pathname of the program to use. Note: this is not for everyone! Most people should use the default delivery system.

The valued option `toplines`
.q toplines defines the number of lines that the
.q top command will print out instead of the default five lines.
.ip "fBverbosefP" 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: mail8.nr,v 1.5 2004/06/04 00:04:54 jmc Exp $""$OpenBSD: mail8.nr,v 1.5 2004/06/04 00:04:54 jmc Exp $"
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"@(#)mail8.nr8.2 (Berkeley) 5/16/94
"sh 1 "Glossary"
This section contains the definitions of a few phrases peculiar to `Mail`

**`alias`**
An alternative name for a person or list of people.

**`flag`**
An option, given on the command line of `Mail`, prefaced with a `-`. For example, `-f` is a flag.

**`header field`**
At the beginning of a message, a line which contains information that is part of the structure of the message. Popular header fields include `to`, `cc`, and `subject`.

**`mail`**
A collection of messages. Often used in the phrase, "Have you read your mail?"

**`mailbox`**
The place where your mail is stored, typically in the directory `/var/mail`.

**`message`**
A single letter from someone, initially stored in your mailbox.

**`message list`**
A string used in `Mail` command mode to describe a sequence of messages.

**`option`**
A piece of special purpose information used to tailor `Mail` to your taste. Options are specified with the `set` command.
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mail0.nr 8.1 (Berkeley) 6/8/93

MAIL REFERENCE MANUAL
Kurt Shoens
Revised by
This section gives a quick summary of the `mail` commands, binary and valued options, and tilde escapes.

The following table describes the commands:

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Same as <code>next</code></td>
</tr>
<tr>
<td>-</td>
<td>Back up to previous message</td>
</tr>
<tr>
<td>?</td>
<td>Print brief summary of <code>mail</code> commands</td>
</tr>
<tr>
<td>!</td>
<td>Single command escape to shell</td>
</tr>
<tr>
<td>print</td>
<td>Type message with ignored fields</td>
</tr>
<tr>
<td>reply</td>
<td>Reply to author of message only</td>
</tr>
<tr>
<td>respond</td>
<td>Same as <code>reply</code></td>
</tr>
<tr>
<td>type</td>
<td>Type message with ignored fields</td>
</tr>
<tr>
<td>alias</td>
<td>Define an alias as a set of user names</td>
</tr>
<tr>
<td>alternates</td>
<td>List other names you are known by</td>
</tr>
<tr>
<td>chdir</td>
<td>Change working directory, home by default</td>
</tr>
<tr>
<td>copy</td>
<td>Copy a message to a file or folder</td>
</tr>
<tr>
<td>delete</td>
<td>Delete a list of messages</td>
</tr>
<tr>
<td>dp</td>
<td>Same as <code>dt</code></td>
</tr>
<tr>
<td>dt</td>
<td>Delete current message, type next message</td>
</tr>
<tr>
<td>edit</td>
<td>Edit a list of messages</td>
</tr>
<tr>
<td>else</td>
<td>Start of else part of conditional; see <code>if</code></td>
</tr>
<tr>
<td>endif</td>
<td>End of conditional statement; see <code>if</code></td>
</tr>
<tr>
<td>exit</td>
<td>Leave mail without changing anything</td>
</tr>
<tr>
<td>file</td>
<td>Interrogate/change current mail file</td>
</tr>
<tr>
<td>folders</td>
<td>List the folders in your folder directory</td>
</tr>
<tr>
<td>from</td>
<td>List headers of a list of messages</td>
</tr>
<tr>
<td>headers</td>
<td>List current window of messages</td>
</tr>
<tr>
<td>help</td>
<td>Same as <code>?</code></td>
</tr>
<tr>
<td>hold</td>
<td>Same as <code>preserve</code></td>
</tr>
<tr>
<td>if</td>
<td>Conditional execution of <code>mail</code> commands</td>
</tr>
<tr>
<td>ignore</td>
<td>Set/examine list of ignored header fields</td>
</tr>
<tr>
<td>incl</td>
<td>Incorporate new messages</td>
</tr>
<tr>
<td>list</td>
<td>List valid <code>mail</code> commands</td>
</tr>
<tr>
<td>mail</td>
<td>Send mail to specified names</td>
</tr>
<tr>
<td>mbox</td>
<td>Arrange to save a list of messages in <code>mbox</code></td>
</tr>
<tr>
<td>more</td>
<td>Invoke pager on message list</td>
</tr>
<tr>
<td>next</td>
<td>Go to next message and type it</td>
</tr>
<tr>
<td>preserve</td>
<td>Arrange to leave list of messages in system mailbox</td>
</tr>
</tbody>
</table>
print
Print messages
quit
Leave \Mail; update system mailbox, \Imbox as appropriate
reply
Compose a reply to a message
respond
Same as \Breply
retain
Supersedes \Bignore
save
Append messages, headers included, on a file
saveignore
List of headers to ignore when using the \Save command
saveretain
List of headers to retain when using the \Save command
set
Set binary or valued options
shell
Invoke an interactive shell
size
Prints out size of message list
source
Read \Mail commands from a file
top
Print first so many (5 by default) lines of list of messages
type
Same as \Bprint
unalias
Remove alias
undelete
Undelete list of messages
unread
Marks list of messages as not been read
unset
Undo the operation of a \Bset
visual
Invoke visual editor on a list of messages
write
Append messages to a file, don't include headers
xit
Same as \Bexit
z
Scroll to next/previous screenful of headers

The following table describes the options. Each option is shown as being either a binary or valued option.

<table>
<thead>
<tr>
<th>Option</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDITOR</td>
<td>valued</td>
<td>Pathname of editor for ~e and \Bedit</td>
</tr>
<tr>
<td>LISTER</td>
<td>valued</td>
<td>Pathname of directory lister</td>
</tr>
<tr>
<td>MBOX</td>
<td>valued</td>
<td>Pathname of the \Imbox file</td>
</tr>
<tr>
<td>PAGER</td>
<td>valued</td>
<td>Pathname of pager for \BPrint, \Bprint, \BType and \Type</td>
</tr>
<tr>
<td>SHELL</td>
<td>valued</td>
<td>Pathname of shell for \Bshell, ~! and \B!</td>
</tr>
<tr>
<td>VISUAL</td>
<td>valued</td>
<td>Pathname of screen editor for ~v, \Bvisual</td>
</tr>
<tr>
<td>append</td>
<td>binary</td>
<td>Always append messages to end of \Imbox</td>
</tr>
<tr>
<td>askbcc</td>
<td>binary</td>
<td>Prompt user for Subject: field when sending</td>
</tr>
<tr>
<td>askb</td>
<td>binary</td>
<td>Prompt user for additional BCc's at end of message</td>
</tr>
<tr>
<td>askcc</td>
<td>binary</td>
<td>Prompt user for additional Cc's at end of message</td>
</tr>
<tr>
<td>autoinc</td>
<td>binary</td>
<td>Automatically incorporate new mail</td>
</tr>
<tr>
<td>autoprint</td>
<td>binary</td>
<td>Print next message after \Bdelete</td>
</tr>
<tr>
<td>crt</td>
<td>valued</td>
<td>Minimum number of lines before using \BPAGER</td>
</tr>
<tr>
<td>debug</td>
<td>binary</td>
<td>Print out debugging information</td>
</tr>
<tr>
<td>dot</td>
<td>binary</td>
<td>Accept . alone on line to terminate message input</td>
</tr>
</tbody>
</table>
The following table summarizes the tilde escapes available while sending mail.

<table>
<thead>
<tr>
<th>Escape</th>
<th>Arguments</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>~b name ...</td>
<td>Add names to &quot;blind&quot; Cc: list.</td>
<td></td>
</tr>
<tr>
<td>~c name ...</td>
<td>Add names to Cc: field.</td>
<td></td>
</tr>
<tr>
<td>~d</td>
<td>Read \fIdead.letter\fP into message.</td>
<td></td>
</tr>
<tr>
<td>~e</td>
<td>Invoke text editor on partial message.</td>
<td></td>
</tr>
<tr>
<td>~F messages</td>
<td>Same as ~f, but includes all headers.</td>
<td></td>
</tr>
<tr>
<td>~f messages</td>
<td>Read in messages.</td>
<td></td>
</tr>
<tr>
<td>~h</td>
<td>Edit the header fields.</td>
<td></td>
</tr>
<tr>
<td>~M messages</td>
<td>Same as ~m, but includes all headers.</td>
<td></td>
</tr>
<tr>
<td>~m messages</td>
<td>Read in messages, right shifted by a tab.</td>
<td></td>
</tr>
<tr>
<td>~p</td>
<td>Print (show) the message buffer.</td>
<td></td>
</tr>
<tr>
<td>~q</td>
<td>Abort message; optionally save copy to ~/dead.letter.</td>
<td></td>
</tr>
<tr>
<td>~r file</td>
<td>Read a file into the message buffer.</td>
<td></td>
</tr>
<tr>
<td>~s string</td>
<td>Set Subject: field to \fIstring\fP.</td>
<td></td>
</tr>
<tr>
<td>~t name ...</td>
<td>Add names to To: field.</td>
<td></td>
</tr>
<tr>
<td>~v</td>
<td>Invoke display editor on message.</td>
<td></td>
</tr>
<tr>
<td>~w filename</td>
<td>Write message to file.</td>
<td></td>
</tr>
<tr>
<td>~x</td>
<td>Abort message; no copy is saved.</td>
<td></td>
</tr>
</tbody>
</table>
~?  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.

The following table shows the command line flags that \fIMail\fP accepts:

<table>
<thead>
<tr>
<th>Flag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-b \fIlist\fP</td>
<td>Send blind carbon copies to \fIlist\fP.</td>
</tr>
<tr>
<td>-c \fIlist\fP</td>
<td>Send carbon copies to \fIlist\fP.</td>
</tr>
<tr>
<td>-d</td>
<td>Turn on debugging</td>
</tr>
<tr>
<td>-f \fIname\fP</td>
<td>Show messages in \fIname\fP or \fI~/mbox\fP.</td>
</tr>
<tr>
<td>-f \fIMail\fP</td>
<td>Force \fIMail\fP to run in interactive mode</td>
</tr>
<tr>
<td>-i</td>
<td>Ignore tty interrupt signals</td>
</tr>
<tr>
<td>-N</td>
<td>Suppress the initial printing of headers</td>
</tr>
<tr>
<td>-n</td>
<td>Inhibit reading of /etc/mail.rc</td>
</tr>
<tr>
<td>-s \fIsubject\fP</td>
<td>Use \fIsubject\fP as subject in outgoing mail</td>
</tr>
<tr>
<td>-T \fIfile\fP</td>
<td>Article-id's of read/deleted messages to \fIfile\fP</td>
</tr>
<tr>
<td>-u \fIuser\fP</td>
<td>Read \fIuser\fP's mail instead of your own</td>
</tr>
<tr>
<td>-v</td>
<td>Invoke sendmail with the \fB-v\fB \fP flag</td>
</tr>
</tbody>
</table>

Notes:
\-d and \-T are not for human use.

"\$OpenBSD: mail6.nr,v 1.6 2006/03/04 16:18:06 miod Exp $"

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This section describes command line options for Mail and what they are used for.

- `-b list` Send blind carbon copies to list.
- `-c list` Send carbon copies to list of users. List should be a comma separated list of names.
- `-f file` Show the messages in file instead of your system mailbox. If file is omitted, Mail reads `mbox` in your home directory.
- `-I` Forces mail to run in interactive mode, even when input is not a terminal. In particular, the special `~` command character, used when sending mail, is only available interactively.
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.

`$OpenBSD: mail4.nr,v 1.6 2008/11/03 18:20:45 jmc Exp $`

`$`

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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.

Mail provides these capabilities through

"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:

```
~p
```
which will print a line of dashes, the recipients of your message, and the text of the message so far.

Since

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.
If you are dissatisfied with the message as it stands, you can invoke the text editor on it using the escape ~e 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.

Mail will respond by typing (continue) 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 Mail. You can override this default by setting the valued option q EDITOR to something else. For example, you might prefer:

```
set EDITOR=/bin/ed
```

Many systems offer a screen editor as an alternative to the standard text editor, such as the vi editor from UC Berkeley, or

```
vi
```
an emacs-like editor.

To use the screen, or visual editor, on your current message, you can use the escape, ~v which works like ~e, except that the screen editor is invoked instead.

A default screen editor is defined by Mail. If it does not suit you, you can set the valued option q VISUAL to the path name of a different editor.

It is often useful to be able to include the contents of some file in your message; the escape
is provided for this purpose, and causes the named file to be appended to your current message.

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.

As a special case of ~r, the escape reads in the file in your home directory. This is often useful since Mail copies the text of your message there when you abort a message with <Control-C>.

To save the current text of your message on a file you may use the escape. 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.

If you are sending mail from within Mail's command mode you can read a message sent to you into the message you are constructing with the escape: 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.

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
\~t name1 name2 ...
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.

If you wish, you can associate a subject with your message by using the escape
\~s Arbitrary string of text
which replaces any previous subject with
"Arbitrary string of text."
The subject, if given, is sent near the top of the message prefixed with
"Subject:"
You can see what the message will look like by using \~p.

For political reasons, one occasionally prefers to list certain
people as recipients of carbon copies of a message rather than
direct recipients. The escape
\~c name1 name2 ...
adds the named people to the
"Cc:"
list, similar to \~t.
Again, you can execute \~p to see what the message will look like.

The escape
\~b name1 name2 ...
adds the named people to the
"Cc:"
list, but does not make the names visible in the
"Cc:"
line ("blind" carbon copy).

The recipients of the message together constitute the
"To:"
field, the subject the
"Subject:"
field, and the carbon copies the
"Cc:"
field. If you wish to edit these in ways impossible with the ~t, ~s, ~c
and ~b escapes, you can use the escape

~h

which prints

~h "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,

~h

would change the initial recipients

~h "root kurt"

to

~h "root bill."

When you type a newline,

.i Mail

advances to the

.i "Subject:"

field, where the same rules apply. Another newline brings you to
the

.i "Cc:"

("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.

To effect a temporary escape to the shell, the escape

~!command

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

~p

To effect a temporary escape to the shell, the escape

~!command

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.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
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To effect a temporary escape to the shell, the escape

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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

~
which pipes your message through the command and uses the output as the new text of your message. If the command produces no output, \textit{Mail}
assumes that something is amiss and retains the old version of your message. A frequently-used filter is the command \textit{fmt}, designed to format outgoing mail.

To effect a temporary escape to \textit{Mail} command mode instead, you can use the \textbackslash \texttt{~:t}
It is also useful for setting options and modifying aliases.

If you wish abort the current message, you can use the escape \textbackslash \texttt{~q}
This will terminate the current message and return you to the shell (or \textit{Mail} if you were using the \texttt{mail} command). If the \texttt{save} option is set, the message will be copied to the file \texttt{dead.letter}
in your home directory.

If you wish to abort the current message, without saving any copy of it whatsoever, even if the \texttt{save} option is set, you can use the escape \textbackslash \texttt{~x}
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, \textbackslash \texttt{~~This line begins with a tilde.}
sends the line
Finally, the escape

prints out a brief summary of the available tilde escapes.

On some terminals (particularly ones with no lower case)
tilde's are difficult to type.

Mail allows you to change the escape character with the
q escape option. For example, I set

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 ~.

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

where

is the login name of the person you're trying to reach,

is the name of the machine on the Internet,

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.

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:
%(Mail ./memo)
% Mail ./memo
%(Mail
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
eample, you might give the command:
%(alias project sam sally steve susan /usr/project/mail_record)
%(alias project sam sally steve susan /usr/project/mail_record
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" .
.p
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 `|` prefixed 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
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
```

1.243 parted 3.2-20ubuntu0.2
1.243.1 Available under license:

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1.251 libcap-ng 0.7.7 3.1

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1.254 shadow 4.5 1ubuntu2

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1.255 libestr 0.1.10 2.1

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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.)

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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"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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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.

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1.258 fonts-lato 2.0-2

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Lato font family

================

Version 2.007; Latin+Cyrillic+Greek+IPA opensource

Created by: tyPoland Lukasz Dziedzic
Creation year: 2014

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================

Lato is a sanserif typeface family designed in the Summer 2010 by Warsaw-based designer ukasz Dziedzic (“Lato” means “Summer” in Polish). In December 2010 the Lato family was published under the open-source Open Font License by his foundry tyPoland, with support from Google. In 2013-2014, the family was greatly extended to cover 2300+ glyphs per style. It now supports 100+ Latin-based languages, 50+ Cyrillic-based languages as well as Greek
and IPA phonetics. In the process, the metrics and kerning of the family have been revised and four additional weights were created.

In the last ten or so years, during which ukasz has been designing type, most of his projects were rooted in a particular design task that he needed to solve. With Lato, it was no different. Originally, the family was conceived as a set of corporate fonts for a large client — who in the end decided to go in different stylistic direction, so the family became available for a public release.

When working on Lato, ukasz tried to carefully balance some potentially conflicting priorities. He wanted to create a typeface that would seem quite “transparent” when used in body text but would display some original traits when used in larger sizes. He used classical proportions (particularly visible in the uppercase) to give the letterforms familiar harmony and elegance. At the same time, he created a sleek sanserif look, which makes evident the fact that Lato was designed in 2010 — even though it does not follow any current trend.

The semi-rounded details of the letters give Lato a feeling of warmth, while the strong structure provides stability and seriousness. “Male and female, serious but friendly. With the feeling of the Summer,” says ukasz.

Lato consists of nine weights (plus corresponding italics), including a beautiful hairline style.

============= 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
Split 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):
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1.259 rdoc 6.0.1

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1.274 coreos-etcd 3.3.15+incompatible

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1.289 lvm2 2.02.176-4.1ubuntu3.18.04.3

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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)
1.291 zope-interface 4.3.2
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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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******************************************************************************

Found in path(s):
*/opt/cola/permits/1112082522_1607034672.43/0/stringio-0-0-1-1-gem/data-tar-gz/stringio.c*

1.305 incremental 16.10.1-2.ph2

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# Contributions to the urllib3 project

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In chronological order:

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  * 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

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  * 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>
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  * Various bugfixes and test improvements.

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  * 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

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  * 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 <graaffatcolmingov@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 <abacabababacaba@gmail.com>
  * Bugfixes
* Benjamen 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.skytt@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.
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1.315 python 3.6.9 1~18.04ubuntu1.4

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

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

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1.317 python-pyasn1-modules 0.2.1-0.2

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1.318 pyasn1 0.4.2-3

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1.319 bsdmainutils 11.1.2ubuntu1

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Then the package has been maintained by Charles Briscoe-Smith <cpbs@debian.org>. I gathered data for the 1999-2001 calendar files from various sources on the Internet, and I'd also like to thank Oliver Elphick, Julian Gilbey, Daniel Martín 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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1.320 openssl 1.0.2n-1ubuntu5.8

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1.322 gopkg-in-ldap-v2 2.5.1

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1.330 fribidi 0.19.7-2

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1.331 libapt-inst 1.6.14

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1.334 xorg 7.7+19ubuntu7.1
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Source Package: xorg

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

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1.338 wsgiref 0.1.2

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* /opt/cola/permits/1110631633_1606842249.91/0/wsgiref-0-1-2-2-2-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
License: PSF or ZPL
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
   http://peak.telecommunity.com/wsgiref_docs/

   PDF
   http://peak.telecommunity.com/wsgiref.pdf

Platform: UNKNOWN

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* /opt/cola/permits/1110631633_1606842249.91/0/wsgiref-0-1-2-2-2-zip/wsgiref-0.1.2/wsgiref.egg-info/PKG-INFO
* /opt/cola/permits/1110631633_1606842249.91/0/wsgiref-0-1-2-2-2-zip/wsgiref-0.1.2/PKG-INFO

1.339 pyyaml 5.4.1

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1.341 fsnotify 1.4.9

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1.342 asn1crypto 0.24.0

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1.343 ufw 0.36 0ubuntu0.18.04.1

1.344 cron 3.0pl1 128.1ubuntu1
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cronstab.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/env.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/job.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/database.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/config.h
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/do_command.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/user.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/entry.c
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/misc.c

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/pathnames.h
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.h
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/externs.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/manl, 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:
makedep

su and say:
makedep

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):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/INSTALL
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/README
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/Makefile
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 * user.
 *
 * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
 * I'll try to keep a version up to date. I can be reached as follows:
 * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
 */
```

```
$Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
```

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.5
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- **Upstream-Name**: language-selector
- **Upstream-Maintainer**: Arne Goetje <arne@ubuntu.com>
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1.348 ruby-defaults 2.5.1

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

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1.354 systemd 237 3ubuntu10.47

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#
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#
#git shortlog -se | awk '{print $2 " " $3 " " $4}’
#
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* /opt/cola/permits/1212207467_1635496455.04/0/grpc-protobuf-1-27-1-sources-1-jar/io/grpc/protobuf/ProtoUtils.java
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 */
1.375 shadow 4.5-1ubuntu2.2

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1.381 apr 1.6.3 2

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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_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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1.404 coreutils 8.28 1ubuntu1

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* DNS resolver (dirmngr/dns.c)

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--- vile: txtmode file-encoding=utf-8
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GSS-API mechglue layer.

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AES in libhcrypto

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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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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## 1.418 ruby-power-assert 0.3.0 1

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Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

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1.422 python-idna 2.6 1

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1.423 goprotobuf 1.3.2

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1.424 libx11 1.6.4-3ubuntu0.4

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1.430 supervisor 3.3.1

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regenc.[ch]:
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enc/ascii.c
enc/big5.c
enc/cp949.c
enc/emacs_mule.c
enc/encdb.c
enc/euc_jp.c
enc/euc_kr.c
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enc/iso_8859_13.c
enc/iso_8859_14.c
enc/iso_8859_15.c
enc/iso_8859_16.c
enc/iso_8859_2.c
enc/iso_8859_3.c
enc/iso_8859_4.c
enc/iso_8859_5.c
enc/iso_8859_6.c
enc/iso_8859_7.c
enc/iso_8859_8.c
enc/iso_8859_9.c
enc/koi8_r.c
enc/koi8_u.c
enc/shift_jis.c
enc/unicode.c
enc/us_ascii.c
enc/utf_16be.c
enc/utf_16le.c
enc/utf_32be.c
enc/utf_32le.c
enc/utf_8.c
enc/windows_1251.c

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random.c

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A C-program for MT19937, with initialization improved 2002/2/10. Coded by Takuji Nishimura and Makoto Matsumoto. This is a faster version by taking Shawn Cokus's optimization, Matthe Bellew's simplification, Isaku Wada's real version.

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

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vm_dump.c:procstat_vm

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$FreeBSD: head/usr.bin/procstat/procstat_vm.c 261780 2014-02-11 21:57:37Z jhb $

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missing/alloca.c:
missing/dup2.c:
missing/erf.c:
missing/finite.c:
missing/hypot.c:
missing/isinf.c:
missing/isnan.c:
missing/lgamma_r.c:
missing/memcmp.c:
missing/memmove.c:
missing/strchr.c:
missing/strerror.c:
missing/strstr.c:
missing/tgamma.c:
ext/date/date_strftime.c:
ext/digest/sha1/sha1.[ch]:
ext/sdbm/_sdbm.c:
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missing/strlcpy.c

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ext/nkf/nkf-utf8/nkf.c:
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text/socket/getaddrinfo.c:
text/socket/getnameinfo.c:

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1.

2.
6. = Contributors to Ruby

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  * matrix.rb
  * mutex_m.rb
  * rational.rb (1.8)
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* shell/*
* thwait.rb
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Peter Vanbroekhoven

Corinna Vinschen

== W

wanabe (wanabe)
* committer
* fixed YARV and Oniguruma.

Chun Wang
* a patch for time.rb

WATANABE, Hiroyuki (eban)
* committer
* He is the maintainer of
  * ftools (1.8)
* tmpdir
* un
* Win32API

WATANABE, Tetsuya
* a patch for ruby.c

William Webber (wew)
* committer

Jim Weirich (jim)
* committer
* He wrote Rake.

Nathan Weizenbaum
* fixed misc/ruby-mode.el.

why the lukky stiff (why)
* committer
* He is the maintainer of syck

Caley Woods
* documentation

Gary Wright
* documentation

== X

== Y

Akira Yamada (akira)
* committer
* He is the maintainer of ruby related packages at Debian project.

Keita Yamaguchi
* patches for enum.c, parse.y
* documentation

Hirokazu Yamamoto (ocean)
* committer

Hirotaka Yoshioka
* a patch for improving SEGV handling

== Z

Aristarkh A Zagorodnikov
Alexander Zavorine
* committer
* He is the maintainer for Symbian OS.

Chiyuan Zhang
* a patch for misc/ruby-mode.el.

Dee Zsombor (zunda)
* a patch for thread_pthread.c

Dan Zwell
* a patch for net/pop

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1.438 service-identity 16.0.0

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1.439 prometheus-procfs 0.7.1

1.439.1 Available under license:
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1.440 x-net 0.0.0-20210119194325-5f4716e94777

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1.441 dosfs-tools 4.1 1

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Random Hacker.

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

That's all there is to it!

use vars qw(%result_texis %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;

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}, 
'parent' => {}, 
'text' => ' 
'
} 
} 
} 
} 
} 
} 
} 
} 
} 

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<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">  
<html>  
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<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->  
<!-- This file redirects to the location of a node or anchor -->  
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blockquote.smallquotation {font-size: smaller}  
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The node you are looking for is at <a href="Chapter.html#Copying-information">Copying information</a>.</p>
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blockquote.indentedblock {margin-right: 0em}
In the appendix, we print the indices and references.


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In the appendix, we print the indices and references.

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Public domain reference for reference on the licence.

Titlepage anchor for the titlepage.

Titlepage footnote anchor for reference on the titlepage.
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Jump to:  
A  
F
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<!-- This file redirects to the location of a node or anchor -->
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    div.smalllisp {margin-left: 3.2em}
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    ul.no-bullet {list-style: none}
    -->
</style>
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The End
1.459 commons-lang3 3.7

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1.460 man-db 2.8.3 2ubuntu0.1

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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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1.464 goprotobuf 1.3.5

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1.465 lua 5.2.4

1.466 pcre 8.39-9

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1.467 time 1.7-25.1build1

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Jean-loup Gailly        Mark Adler
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.

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, Pieter
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vitezslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
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
1.470 pinentry 1.1.0-1

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1.471 unzip 6.0-21ubuntu1.1

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1.472 base-files 10.1ubuntu2.11

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Source Files
------------

. 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 
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The original package can be found at

  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
Macro Packages

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- 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
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 `dehyphpt.tex' (for TeX), which can be found at

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http://dante.ctan.org/CTAN/language/hyphenation/dehyphpt.tex

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The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at
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. The file `tmac/hyphen.cs' contains the same patterns as the file
`cdehyphen.tex' (for TeX), which can be found in the archive

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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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Richard Outerbridge

DES core in libcrypto

D3DES (V5.09) -

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1.495 p11-kit 0.23.9-2ubuntu0.1

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1.499 gopkg.in-ini 1.62.0

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1.500 cloud-utils 0.30-0ubuntu5

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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/standard/Jsr310DateTimeFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/cache/cache/Cache.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/expression/BeanExpressionContextAccessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/i18n/LocaleContextHolder.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/access/LocalStatelessSessionProxyFactoryBean.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/ejb/jmx/Support/LocalLifeCycleProcessor.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedResource.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
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* /opt/cola/permits/1137148469_1614022957.40/spring-context-5-0-2-release-sources-2.jar/org/springframework/jmx/access/InvalidInvocationException.java
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* /opt/cola/permits/1137148469_1614022957.40/spring-context-5-0-2-release-sources-2.jar/org/springframework/context/AnnotationConfigBeanDefinitionParser.java
* /opt/cola/permits/1137148469_1614022957.40/spring-context-5-0-2-release-sources-2.jar/org/springframework/context/ApplicationContextException.java
* /opt/cola/permits/1137148469_1614022957.40/spring-context-5-0-2-release-sources-2.jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/annotation/ImportAware.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.
*
* &lt;p&gt;See the javadocs for WebSphere's
* &lt;a href='http://bit.ly/UzccDr'&gt;\code{AdminServiceFactory}&lt;/a&gt;
* and &lt;a href='http://bit.ly/TRIX2r'&gt;\code{MBeanFactory}&lt;/a&gt;.
*
* \author{Juergen Hoeller}
* \author{Rob Harrop}
* \since{2.0.3}
* \see{javax.management.MBeanServer}
* \see{MBeanServerFactoryBean}
*/

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/**
* Indicates that a component is only eligible for registration when all
* \code{[@linkplain #value specified conditions] match}
*
* &lt;p&gt;A &lt;em&gt;condition&lt;/em&gt; is any state that can be determined programatically
* before the bean definition is due to be registered (see \code{Condition} for details).
*
* &lt;p&gt;The \code{Conditional} annotation may be used in any of the following ways:
* \see{Condition}
* &lt;ul&gt;
* &lt;li&gt;as a type-level annotation on any class directly or indirectly annotated with
* \code{Component}, including \code{Configuration} classes&lt;/li&gt;
* &lt;li&gt;as a meta-annotation, for the purpose of composing custom stereotype
* annotations&lt;/li&gt;
* &lt;li&gt;as a method-level annotation on any \code{Bean} method&lt;/li&gt;
*/
If a `@Configuration` class is marked with `@Configuration`, all of the `@Bean` methods, `@Import @Import` annotations, and `@ComponentScan @ComponentScan` annotations associated with that class will be subject to the conditions.

**NOTE**: Inheritance of `@Configuration` annotations is not supported; any conditions from superclasses or from overridden methods will not be considered. In order to enforce these semantics, `@Configuration` itself is not declared as `@Inherited`. Furthermore, any custom composed annotation that is meta-annotated with `@Conditional` must not be declared as `@Inherited`.

@author Phillip Webb
@since 4.0
@see Condition

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1.507 python-meld3 1.0.2-2

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Contributors
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- Chris McDonough, 2005-12-18

- Tres Seaver, 2006-02-09

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

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* /opt/cola/permits/1112636230_1607122994.91/0/error-prone-annotations-2-1-3-sources-6-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
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# Contributions to the urllib3 project

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## Contributors

In chronological order:

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  * 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/@WBRSRlBZDhBFXQB6/>  
* Code review, PEP8 compliance, benchmark fix  

* kennethreitz <me@kennethreitz.com>  
* Bugfixes, suggestions, Requests integration  

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* 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>
  * HttpHeaders 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

* Benjamen 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 <jatherfold@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]

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man/pidfile.3bsd
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man/readpassphrase.3bsd
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src/arc4random_openbsd.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy_linux.c
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/Response.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/MediaType.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/RouteDatabase.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/RequestLine.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/InternalCache.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/NamedRunnable.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/ErrorCode.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/Handshake.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/Dispatcher.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/CacheStrategy.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/StatusLine.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/StatusLine.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache/CacheRequest.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/ws/WebSocketReader.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/RealCall.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/connection/StreamAllocation.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/WebSocketListener.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/TrustRootIndex.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/tls/BasicTrustRootIndex.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/RetryAndFollowUpInterceptor.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/cache2/Relay.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/UnrepeatableRequestBody.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/WebSocket.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/ConnectionShutdownException.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http1/Http1Codec.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/Address.java

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* Software Development Group
* National Center for Supercomputing Applications
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************************************************************************/
MD5 implementation for NCSA HTTPd

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Thanks to the following people for their input:  
Mike Belshe (mbelshe@netscape.com)  
Michael Campanella (campanella@stevms.enet.dec.com)  
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1.550 armon-go-metrics 1.1.9

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1.551 libuv 1.18.0 3
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1.552 libxtst 1.2.3-1

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1.553 did-you-mean 1.2.0

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1.554 linux-pam 1.1.8-3.6ubuntu2.18.04.3

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-------------------------------------------------------------------------
Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+}
char *flag = NULL;
struct passwd *pwd = NULL;
struct stat s;
int f;
/* Get the user name to determine if we need to print the disclaimer */
rc = pam_get_item(pamh, PAM_USER, &user);
if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
{
    PAM_MODUTIL_DEF_PRIVS(privs);

    /* Get the password entry */
pwd = pam_modutil_getpwnam (pamh, user);
if (pwd != NULL)
{
    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
        pam_syslog(pamh, LOG_ERR,
"Unable to change UID to %d temporarily\n",
pwd->pw_uid);
        retval = PAM_SESSION_ERR;
goto finished;
    }

    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
goto finished;
    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
goto finished;

    if (stat(flag, &s) != 0)
    {
        display_file(pamh, "/etc/legal");
mkdir(dir, 0700);
f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
if (f>=0) close(f);
    }

    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

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

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1.555 argparse 1.2.1

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1.556 golang-org-x-tools 0.1.5

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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:
%s", strings.Join(files, "\n"))
    }
    // Copyright 2020 The Go Authors. All rights reserved.
    // Use of this source code is governed by a BSD-style
// 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 err  
        }  
        if needsCopyright {  
            files = append(files, path)  
        }  
        return nil  
    })  
    return files, err  
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved. Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.`)

func checkFile(toolsDir, filename string) (bool, error) {  
    func checkGoFile(toolsDir, filename string) (bool, error) {  
        if !strings.HasSuffix(filename, "go") {  
            return false, nil  
        }  
        file, err := ioutil.ReadFile(filepath.Join(toolsDir, filename))  
        if err != nil {  
            return false, err  
        }  
        asts, err := parser.ParseFiles(strings.NewReader(string(file)))  
        if err != nil {  
            return false, err  
        }  
        for _, ast := range asts {  
            for _, v := range ast.List {  
                if v.Node != nil {  
                    if copyrightRe.MatchString(v.String()) {  
                        return true, nil  
                    }  
                }  
            }  
        }  
        return false, nil  
    }  

    asts, err := parser.ParseFiles(strings.NewReader(string(file)))  
    if err != nil {  
        return false, err  
    }  
    for _, ast := range asts {  
        for _, v := range ast.List {  
            if v.Node != nil {  
                if copyrightRe.MatchString(v.String()) {  
                    return true, nil  
                }  
            }  
        }  
    }  
    return false, nil  
}

open ()
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 _, c := range file.Comments {
        for _, comment := range c.CommentGroup.List {
            if matched := generatedRx.MatchString(comment.Text); !matched {
                continue
            }
            return true
        }
    }
    return false
}
// 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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1.557 logback-core 1.1.7

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flexible logging library for Java.

The Logback documentation can be found under the docs/ directory.

Building logback
=================

Building logback is documented at:

http://logback.qos.ch/setup.html#ide

In case of problems
=====================

In case of problems please do not hesitate to post an e-mail message
on the logback-user@qos.ch mailing list. However, please do not
directly e-mail logback developers. The answer to your question might
be useful to other users. Moreover, there are many knowledgeable users
on the logback-user mailing lists who can quickly answer your
questions.
Logback LICENSE
===============

Logback: the reliable, generic, fast and flexible logging framework.
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 POLLRVAL 0x0020

#if 0
    /* the following are currently not implemented */
    #define POLLPRI 0x0002
    #define POLLRDNORM 0x0040
    #define POLLNORM POLLRDNORM
    #define POLLWRNORM POLLPRI
    #define POLLRDBAND 0x0080
    #define POLLWRBAND 0x0100
#endif

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

int poll(struct pollfd *, nfds_t, int);

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   [Tatu continues]
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- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

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

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* 
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

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

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

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.559 squashfs-tools 4.3-6ubuntu0.18.04.1
1.559.1 Available under license :

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

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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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From strings/apr_snprintf.c:

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/**
 * 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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file name:  UBiDiProps.java
encoding:  US-ASCII	tab size:  8 (not used)
indentation:4

created on: 2005jan16
created by: Markus W. Scherer

Low-level Unicode bidi/shaping properties access.
Java port of ubidi_props.h/.c.
This locale data is based on the ICU's Vietnamese locale data (rev. 1.38) found at:


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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>. For a subclass to support metadata, typical behavior of
replace() is the following:

- Set the metadata of the new text to the metadata of the first character replaced.
- If no characters are replaced, use the metadata of the previous character.
- If there is no previous character (i.e. start == 0), use the following character.
- If there is no following character (i.e. the replaceable was empty), use default metadata.
- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata.

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.

Note: This class does not support attributes and is not intended for general use. Most clients will need to implement { @link Replaceable } in their text representation class.

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copy of the library already present on the user's computer system,
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1.578 mime-support 3.60ubuntu1

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1.579 base-passwd 3.5.44

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1.583 markupsafe 1.0 1build1

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1.585 x-sys 0.0.0-20210611083646-a4fc73990273

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1.589 netcat 1.10 41.1

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Description: netifaces 0.10.4


1. What is this?

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is
a good reason for this difficulty, which is that it is virtually impossible
to do so in a portable manner. However, it seems to me that there should
be a package you can easy_install that will take care of working out the
details of doing so on the machine you're using, then you can get on with
writing Python code without concerning yourself with the nitty gritty of
system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?
-----------------

First you need to install it, which you can do by typing::

    tar xvf netifaces-0.10.4.tar.gz
cd netifaces-0.10.4
python setup.py install

Once that's done, you'll need to start Python and do something like the
following::

    >>> import netifaces

Then if you enter

    >>> netifaces.interfaces()
    ['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

    >>> netifaces.ifaddresses('lo0')

Hmmm. That result looks a bit cryptic; let's break it apart and explain
what each piece means. It returned a dictionary, so let's look there first::

    { 18: [...], 2: [...], 30: [...] }

Each of the numbers refers to a particular address family. In this case, we
have three address families listed; on my system, 18 is "AF_LINK" (which means
the link layer interface, e.g. Ethernet), 2 is "AF_INET" (normal Internet
addresses), and 30 is "AF_INET6" (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are
system dependent; fortunately, I thought of that when writing netifaces, so
the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the `AF_INET` addresses now:

```python
>>> addrs = netifaces.ifaddresses('lo0')
>>> addrs[netifaces.AF_INET]
[{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]
```

You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.

*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

```python
>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We can do

```python
>>> addrs[netifaces.AF_LINK]
[['addr': '00:12:34:56:78:9a']]
```

Note that this may not be available on platforms without getifaddrs(), unless
they happen to implement ``SIOCGIFHWADDR``. Note also that you just get the
address; it's unlikely that you'll see anything else with an ``AF_LINK`` address.
Oh, and don't assume that all ``AF_LINK`` addresses are Ethernet; you might, for
instance, be on a Mac, in which case:

```python
>>> addrs = netifaces.ifaddresses('fw0')
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a:bc:de'}]
```

No, that isn't an exceptionally long Ethernet MAC address----it's a FireWire
address.

As of version 0.10.0, you can also obtain a list of gateways on your
machine:

```python
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': { 2: ('10.0.1.1', 'en0'),
30: ('fe80::1', 'en0') }}
```

This dictionary is keyed on address family---in this case, ``AF_INET``---and
each entry is a list of gateways as ``(address, interface, is_default)`` tuples.
Notice that here we have two separate gateways for IPv4 (``AF_INET``); some
operating systems support configurations like this and can either route packets
based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special
value ``default``, which returns a dictionary mapping address families to the
default gateway in each case. Thus you can get the default IPv4 gateway with

```python
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family;
this is currently very common for IPv6 and much less common for IPv4 but it
can happen even for ``AF_INET``.

BTW, if you're trying to configure your machine to have multiple gateways for
the same address family, it's a very good idea to check the documentation for
your operating system *very* carefully, as some systems become extremely
confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the
``gateways()`` method doesn't produce the expected results. It's quite
complicated extracting this information from the operating system (whichever
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system out there where this just won't work.
3. This is great! What platforms does it work on?

It gets regular testing on OS X, Linux and Windows. It has also been used successfully on Solaris, and it's expected to work properly on other UNIX-like systems as well. If you are running something that is not supported, and wish to contribute a patch, please use BitBucket to send a pull request.

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5. Why the jump to 0.10.0?

Because someone released a fork of netifaces with the version 0.9.0. Hopefully skipping the version number should remove any confusion. In addition starting with 0.10.0 Python 3 is now supported and other features/bugfixes have been included as well. See the CHANGELOG for a more complete list of changes.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/netifaces.egg-info/PKG-INFO
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/PKG-INFO
No license file was found, but licenses were detected in source scan.

license="MIT License",
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* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/setup.py
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netifaces 0.10.4

-------------------------------

.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?

   It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

   This package attempts to solve that problem.

2. How do I use it?

   First you need to install it, which you can do by typing::

   tar xzvf netifaces-0.10.4.tar.gz
   cd netifaces-0.10.4
   python setup.py install

   Once that's done, you'll need to start Python and do something like the following::

   >>> import netifaces

   Then if you enter

   >>> netifaces.interfaces()
you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```python
>>> netifaces.ifaddresses('lo0')
{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': 'ffff:ffff:ffff:ffff::', 'addr': 'fe80::1%lo0'}]}
```

Hmmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first:

```python
{ 18: [...], 2: [...], 30: [...] }  
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is ``AF_LINK`` (which means the link layer interface, e.g. Ethernet), 2 is ``AF_INET`` (normal Internet addresses), and 30 is ``AF_INET6`` (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
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```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the ``AF_INET`` addresses now:

```python
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Let's look at a more interesting interface.

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```

No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire address.

As of version 0.10.0, you can also obtain a list of gateways on your machine:

```python
>>> netifaces.gateways()
[2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': [2: ('10.0.1.1', 'en0'), 30: ('fe80::1', 'en0') ]}
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This dictionary is keyed on address family---in this case, `AF_INET`---and each entry is a list of gateways as `(address, interface, is_default)` tuples. Notice that here we have two separate gateways for IPv4 (`AF_INET`); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0.10.4/README.rst

1.616 capnslog 0.0.0-20180928190104-399ea9e2e55f

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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.

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1.621 github.com/lk4d4/trylock 0.0.0-20191027065348-ff7e133a5c54

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lib/gss_mechs/mech_krb5/et/kdb5_err.c

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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_dup_name.c
lib/gssapi/mechglue/g_dup_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/spnegoMech.c

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

include/iprop_hdr.h
kadmin/server/ipropdserv.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.626 zlib 1.2.3

1.626.1 Available under license:

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

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

The data format used by the zlib library is described by RFCs (Request for
Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt
(zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).
*/

/* match.s -- Pentium-optimized version of longest_match()
* Written for zlib 1.1.2
* Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>
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1.627 libjpeg 6b
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README for release 6b of 27-Mar-1998
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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 "djjpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

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

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

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

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

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REFERENCES

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 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)
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
d (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/.

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send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

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

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

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

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

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

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

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

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

TO DO

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

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

As always, speeding things up is of great interest.

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

1.628 icu 60.2 3ubuntu3.2

1.628.1 Available under license:

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 http://www.icu-project.org/

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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 $@ $<

%.c: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

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

## Dependency rules

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

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s/(.*)/\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).$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

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

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

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

## End BSD-specific setup
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1.633 legacy8ujsse 1.1.4

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1.634 1sb 9.20170808ubuntu1
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Upstream-Name: LSB implementation package

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1.635 cmux 0.1.5
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1.636 requests 2.18.4
1.636.1 Available under license:

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

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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/).

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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/*

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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

```bash
$ python -m requests.help
```

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).

Be cordial or be on your way.

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

Modifications:

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Original Project:

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# AppVeyor.yml from https://github.com/ogrisel/python-appveyor-demo
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build: off

environment:

matrix:
- PYTHON: "C:\Python27-x64"
  PYTHON_VERSION: "2.7.x"
  PYTHON_ARCH: "64"
  TOXENV: "py27"

- PYTHON: "C:\Python34-x64"
  PYTHON_VERSION: "3.4.x"
  PYTHON_ARCH: "64"
  TOXENV: "py34"

- PYTHON: "C:\Python35-x64"
  PYTHON_VERSION: "3.5.x"
  PYTHON_ARCH: "64"
  TOXENV: "py35"

- PYTHON: "C:\Python36-x64"
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"

---

1.637 grpc-go 1.38.0

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1.642 lxd 3.0.3 0ubuntu1~18.04.1

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1.647 netplan-io 0.99 0ubuntu3~18.04.4

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1.653 x-sys 0.0.0-20210630005230-0f9fa26af87c

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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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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the 
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copy of the library already present on the user's computer system, 
rather than copying library functions into the executable, and (2) 
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interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy 
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization
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The `random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

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

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

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Sockets
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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose
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The original and principal author of md5.h is L. Peter Deutsch
<ghost@aladdin.com>. Other authors are noted in the change history
that follows (in reverse chronological order):

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

Asynchronous socket services
-----------------------------

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UUencode and UUdecode functions
-----------------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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version is still 5 times faster, though.
- Arguments more compliant with Python standard

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--------------------------

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--------------
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1.674 elfutils 0.170-0.4ubuntu0.1
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1.676 openssl 1.1.1 1ubuntu2.1~18.04.14

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1.682 ldap-utils 2.4.45+dfsg-1ubuntu1.10

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1.683 jwt-go 3.2.0+incompatible

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1.684 libncurses 6.1-1ubuntu1.18.04

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1.685 xerces-j 2.9.1

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1.687 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/)

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:

```ruby
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
```

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/),
[RabbitMQ/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:

```ruby
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:

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

every(1.hour, 'feeds刷新') { 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:

```ruby
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](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):
* /opt/cola/permits/1213082843_1634008352.31/0/clockwork-0-2-2-1-gem/data-tar-gz/README.md

1.688 curl 7.58.0 2ubuntu3.16
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1.689 golang-org-x-tools 0.1.4
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package copyright

import ("os"
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:
%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".
    }
    return nil
  })
  return files, err
}
if strings.HasPrefix(info.Name(), ".") {
    return filepath.SkipDir
}
return nil
}
needsCopyright, err := checkFile(dir, path)
if err != nil {
    return err
}
if needsCopyright {
    files = append(files, path)
}
return nil
})
return files, err
}

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved. Use of this source code is governed by a BSD-style 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\.
`)
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1.690 eject 2.1.5+deb1+cvs20081104-13.2
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1.691 glib 2.56.4-0ubuntu0.18.04.8

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### 1.693 libdnet 1.12-7build1

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Richard Outerbridge

DES core in libhcrypto

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.

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

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lib/hcrypto/test_dh.c

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1.697 power-assert 0.2.7

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A. HISTORY OF THE SOFTWARE

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

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

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

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@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

D3DES (V5.09) -

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
  * public domain.

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1.711 x-crypto 0.0.0-20210711020723-a769d52b0f97

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1.713 go-systemd 0.0.0-20191104093116-d3cd4ed1dbcf

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