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1.7 apr 1.6.3 2

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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_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.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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1.8 base-files 10.1ubuntu2.10

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1.10 ruby-net-telnet 0.1.1-2

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

1.12 python-setuptools 39.0.1-2

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1.13 powermgmt-base 1.33

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1.16 diffutils 3.6-1

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1.17 dosfs-tools 4.1 1
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Upstream-Name: dosfstools
Upstream-Contact: Andreas Bombe <aeb@debian.org>
Source: https://github.com/dosfstools/dosfstools

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1.19 busybox 1.27.2-2ubuntu3.3
1.19.1 Available under license:

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Julian Seward, Cambridge, UK.
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bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.24 lua 5.2.4

1.25 hd-parm 9.54+ds-1
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d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
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1.32 jinja2 2.11.3
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Found in path(s):
* /opt/cola/permits/1160876753_1620411588.74/0/jinja2-2-11-3-1-tar-gz/Jinja2-2.11.3/LICENSE.rst

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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
License: BSD-3-Clause
Project-URL: Code, https://github.com/pallets/jinja
Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

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

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

Installing
---------

Install and update using `pip`:

.. code-block:: text

   $ pip install -U Jinja2


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

.. code-block:: jinja

   {% extends "base.html" %}
   {% block title %}Members{% endblock %}
No license file was found, but licenses were detected in source scan.

```python
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

1.33 open-iscsi 2.0.874 5ubuntu2.10

1.33.1 Available under license:

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1.39 btrfs-progs 4.15.1 1build1

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1.40 open-isns 0.97-2build1

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1.44 python-jsonschema 2.6.0-2

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when there is no Makefile.

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from scratch. It can only install one file at a time, a restriction
shared with many OS's install programs.

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1.50 libnfnetlink 1.0.1 3

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1.52 libksba 1.3.5 2
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1.54 evanphx-json-patch 0.5.3-
0.20210601025549-3e2cfc05e32a

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1.55 pcre 8.39-9

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1.56 vixie-cron 3.0pl1 128.1ubuntu1

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1.57 gopkg.in-yaml 2.4.0

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1.60 ltrace 0.7.3-6ubuntu1

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1.61 ruby-did-you-mean 1.2.0-2

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1.62 fonts-ubuntu 0.83-2

1.62.1 Available under license:

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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 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 Canonical and 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 OFL-FAQ for details.
* [12]GPL Font Exception: The situation is resolved by granting an additional permission to allow documents to not be covered by the GPL. (The exception is being reviewed).

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

Long-term licensing

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

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

Ubuntu Font Licence

For the short-term only, the initial licence is the [14]Ubuntu Font License (UFL). This is loosely inspired from the work on the SIL OFL 1.1, and seeks to clarify the issues that arose during discussions
and legal review, from the perspective of the backers, Canonical Ltd. Those already using established licensing models such as the GPL, OFL or Creative Commons licensing should have no worries about continuing to use them. The Ubuntu Font Licence (UFL) and the SIL Open Font Licence (SIL OFL) are not identical and should not be confused with each other. Please read the terms precisely. The UFL is only intended as an interim license, and the overriding aim is to support the creation of a more suitable and generic libre font licence. As soon as such a licence is developed, the Ubuntu Font Family will migrate to it made possible by copyright assignment in the interim. Between the OFL 1.1, and the UFL 1.0, the following changes are made to produce the Ubuntu Font Licence:

* Clarification:

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

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

A visual demonstration of how these points were implemented can be found in the accompanying coloured diff between SIL OFL 1.1 and the Ubuntu Font Licence 1.0: [16]ofl-1.1-ufl-1.0.diff.html

References

13. https://launchpad.net/~uff-contributors
1.63 jackson-dataformat-yaml 2.10.0

1.63.1 Available under license:

# Jackson JSON processor

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

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1.64 glib 2.56.4-0ubuntu0.18.04.8

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1.69 prometheus-procfs 0.7.1
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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stax2-api (4.1)
testng (6.14.2)

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* Project: https://testng.org/doc/index.html
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woodstox-core-asl (4.4.1)

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ws-addr.wsd (1.0)

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* Project: https://www.w3.org/2005/08/addressing/
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wsat.xsd Version: 2004/10 (n/a)

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1.73 mhash 0.9.9.9

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1.86 python-attrs 17.4.0-2

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1.87 adduser 3.116ubuntu1

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<sjp@cvfn.org> from sources written for the Debian Project by Ian
Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph
<sr1@inf.tu-dresden.de>.

Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He
rewrote most of it.
Since May 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.

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

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

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

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1.88 python-certifi 2018.1.18-2
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This package contains a modified version of ca-bundle.crt:

c-a-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: 

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1.89 jackson-xc 2.10.0
1.89.1 Available under license :

# Jackson JSON processor

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

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1.90 cloud-init 21.1

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1.91 mime-support 3.60ubuntu1

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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 HTTPSCollection)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSCollection
  * Basic-authenticated HTTPSCollection (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSCollection
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

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  * Code review, PEP8 compliance, benchmark fix

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  * Bugfixes, suggestions, Requests integration

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* Bugfixes, Improvements and Test coverage

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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>
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* 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 <juanyeh@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation
* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

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

* 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@googlemail.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.

* 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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1.108 netns 0.0.0-20210104183010-2eb08e3e575f

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1.109 libxmu 1.1.2-2

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--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh
@@ -0,0 +1,14 @@
+
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf --v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+    $srcdir/configure "$@"
+fi
--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+
+ [ Andreas Boll ]
+ * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+ when building in parallel (closes: #801059). Thanks, Matthias Klose!
+
+ [ Julien Cristau ]
+ * Remove Cyril from Uploaders.
+ * Bump Standards-Version to 3.9.6, update Vcs-* control fields.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 14 Nov 2015 10:04:44 +0100
+
+libxmu (2:1.1.2-1) unstable; urgency=low
+
+ * New upstream release.
+ * Add ${misc:Depends} to libxmu-headers.
+ * Use /usr/share/quilt/quilt.make instead of xsfbs for patching.
+ * Add build-{arch,indep} debian/rules targets.
+ * Bump debhelper compat level from 5 to 7.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 05 May 2014 14:13:01 +0200
+
+libxmu (2:1.1.1-1) unstable; urgency=low
+
+ * New upstream release.
+ * Don't require (fake)root for debian/rules clean.
+ * Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per
+   configure.ac.
+ * Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call
+   from debian/rules.
+ * Remove David Nusinow from Uploaders.
+ * Bump debhelper build-dep for ${misc:Pre-Depends} usage.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 21 Apr 2012 10:50:11 +0200
+
+libxmu (2:1.1.0-3) unstable; urgency=low
+
+ * Build for multiarch.
+
+ -- Steve Langasek <vorlon@debian.org> Fri, 21 Oct 2011 14:47:59 -0700
+
+libxmu (2:1.1.0-2) unstable; urgency=low
+
+ * Build for multiarch.
+
+ -- Christopher James Halse Rogers 
+ * debian/patches/01_dont_export_private_deps.patch:
+   - The Xmu.h header uses libXt symbols in a #define, so libXt is not a
+     private dep. With binutils-gold, the indirect dependency on Xt is not
+     considered when linking with Xmu so this causes build failures.
+
+ -- Julien Cristau
+ * Drop Pre-Depends on x11-common, only needed for upgrades from the
+   monolith.
+
+ -- Julien Cristau <jcristau@debian.org> Thu, 28 Apr 2011 14:10:11 +0200
+
+libxmu (2:1.1.0-1) unstable; urgency=low
+
+ * New upstream release.
+ * Bump xutils-dev build-dep for new macros.
+ * Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
* Pass --with-xmlto and --without-fop (we want html and txt only).
* Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to libxmu-headers.install file.
* Remove the hardcoded path to the X logo in the Xmu.html file.
* Kill *.xml in the doc directory, no point in shipping them.
* Switch from --list-missing to --fail-missing for additional safety.

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

+ libxmu (2:1.0.5-2) unstable; urgency=high
  + [ Julien Cristau ]
  + * Rename the build directory to not include DEB_BUILD_GNU_TYPE for no good reason. Thanks, Colin Watson!
  + * Remove myself from Uploaders
  + * Don't pass both -s and -Nfoo/-pfoo to dh_strip. This resulted in an empty libxmuu1-db (Closes: #594500). Thanks to Luca Falavigna for the report.

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

+ libxmu (2:1.0.5-1) unstable; urgency=low
  + [ Timo Aaltonen ]
  + * New upstream release.
  + * Fix 64bit support (closes: #521887)

-- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 19:20:17 +0100

+ libxmu (2:1.0.4-2) unstable; urgency=low
  + [ Julien Cristau ]
  + * Drop -1 debian revisions from build-deps.
  + * libxmu6{,-dbg}, libxmu-dev, libxmuu1{,-dbg} and libxmuu-dev don't need a dependency on x11-common.
  + * Build libxmu-headers in binary-indep instead of binary-arch (closes: #486418). Thanks, Martin Koepppe!
  + * 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
+ * Add upstream URL to debian/copyright.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538587.
+ * Move -dbg packages to section debug.
+
+ -- Julien Cristau <jcristau@debian.org>  Fri, 07 Aug 2009 14:30:36 +0200
+
+libxmu (2:1.0.4-1) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu-headers (= ${source:Version}). Thanks,
+ * Josh Triplett.
+ * Don't export private dependencies in xmu.pc and xmuu.pc. These
dependencies are handled by Requires.private.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Uploader, and remove Branden and Fabio with their
permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/
+
+ [ Timo Aaltonen ]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
+
+ -- Julien Cristau <jcristau@debian.org>  Thu, 17 Jan 2008 14:57:47 +0100
+
+libxmu (1:1.0.3-1) unstable; urgency=low
+
+ [ Andres Salomon ]
+ * Test for obj-$DEB_BUILD_GNU_TYPE before creating it during build;
idempotency fix.
+
+ [ Drew Parsons ]
+ * dbg package has priority extra.
+ -- David Nusinow <dnusinow@debian.org> Wed, 30 Aug 2006 16:53:25 -0400
+ libxmu (1:1.0.2-1) experimental; urgency=low
+ *
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Run dh_install with --list-missing
+ * Version the -headers package's x11-common pre-dep to use version 1:7.0.0
+ * to match the rest of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+
+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 18:43:32 -0400
+ libxmu (1:1.0.1-3) unstable; urgency=low
+ *
+ * Reorder makeshlib command in rules file so that ldconfig is run
+ * properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:59 -0400
+ libxmu (1:1.0.1-2) unstable; urgency=low
+ *
+ * Upload to unstable
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:59 -0500
+ libxmu (1:1.0.1-1) experimental; urgency=low
+ *
+ * First upload to Debian
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:53:53 -0500
+ libxmu (1:6.2.3-5) breezy; urgency=low
+ *
+ * Also, libxmu-dev needs to depend on libxt-dev too.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Mon, 25 Jul 2005 09:43:47 +0000
+ libxmu (1:6.2.3-4) breezy; urgency=low
+ *
+ * Bump libxt-dev build-dep once more, _XOPEN_SOURCE begone!
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 10:48:14 +0000
+ libxmu (1:6.2.3-3) breezy; urgency=low
+ *
+ * Make libxmu-dev depend on libxext-dev, since libxmu links to it.
+ -- Adam Conrad <adconrad@ubuntu.com>  Sun, 24 Jul 2005 07:56:02 +0000
+  +libxmu (1:6.2.3-2) breezy; urgency=low
+  + * Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid
+  +  _XOPEN_SOURCE.
+  + -- Daniel Stone <daniel.stone@ubuntu.com>  Sat, 23 Jul 2005 00:20:50 +1000
+  +libxmu (1:6.2.3-1) breezy; urgency=low
+  +  + * First libxmu release.
+  + -- Daniel Stone <daniel.stone@ubuntu.com>  Mon, 16 May 2005 22:10:17 +1000
--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+  + debhelper (>= 9),
+  + dh-autoreconf,
+  + libx11-dev (>= 1:0.99.2),
+  + libxt-dev (>= 1:0.99.1),
+  + libxext-dev (>= 1:0.99.1),
+  + pkg-config,
+  + quilt,
+  + automake,
+  + libtool,
+  + xutils-dev (>= 1:7.6+2),
+  +# devel-docs:
+  + xmlto (>= 0.0.22),
+  + xorg-sgml-doctools (>= 1:1.8),
+  + w3m,
+  + Standards-Version: 3.9.6
+  + Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+  + Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
+  + Package: libxmu6
+  + Section: libs
+  + Architecture: any

---
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous utility library
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmumu 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. libXmumu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+ .
+ This package contains the debug versions of the library found in libxmu6.
+ Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+ .
+Package: libxmu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxext-dev, libxt-dev, libxmu6 (= ${binary:Version}), libxmu-
+headers (= ${source:Version})
+Description: X11 miscellaneous utility library (development headers)
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmumu 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-dbgsym
+ 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}), libxmuu-headers (=
+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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--- libxmu-1.1.2.orig/debian/libxmu-dev.install
+++ libxmu-1.1.2/debian/libxmu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmu.a
+usr/lib/*/libXmu.so
+usr/lib/*/pkgconfig/xmu.pc
--- libxmu-1.1.2.orig/debian/libxmu-headers.install
+++ libxmu-1.1.2/debian/libxmu-headers.install
@@ -0,0 +1,2 @@
+usr/include/X11/*
+usr/share/doc/libxmu-headers
--- libxmu-1.1.2.orig/debian/libxmu6.install
+++ libxmu-1.1.2/debian/libxmu6.install
@@ -0,0 +1 @@
+usr/lib/*/libXmu.so.6*
--- libxmu-1.1.2.orig/debian/libxmuu-dev.install
+++ libxmu-1.1.2/debian/libxmuu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmuu.a
+usr/lib/*/libXmuu.so
+usr/lib/*/pkgconfig/xmuu.pc
--- libxmu-1.1.2.orig/debian/libxmuu1.install
+++ libxmu-1.1.2/debian/libxmuu1.install
@@ -0,0 +1 @@
+usr/lib/*/libXmuu.so.1*
--- libxmu-1.1.2.orig/debian/patches/01_dont_export_private_deps.diff
+++ libxmu-1.1.2/debian/patches/01_dont_export_private_deps.diff
@@ -0,0 +1,26 @@
+diff --git a/xmu.pc.in b/xmu.pc.in
+index a086f83..15dabbf 100644
+--- a/xmu.pc.in
++++ b/xmu.pc.in
@@ -6,7 +6,7 @@ includedir=@includedir@
 + Name: Xmu
 + Description: Xmu Library
 + Version: @PACKAGE_VERSION@
 + Requires: xproto x11 xt
 ++Requires: xproto xt
 + Requires.private: x11 xt xext
 + Cflags: -I$[includedir]
 + Libs: -L$[libdir] -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
@@ -6,7 +6,7 @@ includedir=@includedir@
 + Name: Xmuu
 + Description: Mini Xmu Library
 + Version: @PACKAGE_VERSION@
 + Requires: xproto x11
 ++Requires: xproto
 + Requires.private: x11
 + Cflags: -I$[includedir]
 + Libs: -L$[libdir] -lXmuu
--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
@@ -0,0 +1 @@
+01_dont_export_private_deps.diff
--- libxmu-1.1.2.orig/debian/rules
+++ libxmu-1.1.2/debian/rules
@@ -0,0 +1,34 @@
 #!/usr/bin/make -f
 # debian/rules for the Debian libxmu package.
 +# Copyright 2004 Scott James Remnant <scott@netsplit.com>
 +# Copyright 2005 Daniel Stone <daniel@fooishbar.org>
 +# Copyright 2005 David Nusinow <dnusinow@debian.org>
 +
 +# Uncomment this to turn on verbose mode.
 +#export DH_VERBOSE=1
 +
 .PHONY: build
 +build:
 +dh build --with quilt,autoreconf --builddirectory=build/ --parallel
 +
 +%: 
 +dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
 +

override_dh_auto_configure:
+dh_auto_configure -- \
+--disable-silent-rules \
+--docdir=${prefix}/share/doc/libxmu-headers \
+--with-xmlto \
+--without-fop 
+
override_dh_auto_install:
+dh_auto_install 
+find debian/tmp/usr/share/doc/libxmu-headers -name '*.xml' -delete 
+
override_dh_install-arch:
+dh_install --fail-missing -Xusr/include -X.la 
+
override_dh_strip:
+dh_strip -Nlibxmu6 -Nlibxmuu1 
+dh_strip -plibxmu6 --dbg-package=libxmu6-dbg 
+dh_strip -plibxmuu1 --dbg-package=libxmuu1-dbg 
--- libxmu-1.1.2.orig/debian/watch 
+++ libxmu-1.1.2/debian/watch 
@@ -0,0 +1,3 @@
+##git=git://anongit.freedesktop.org/xorg/lib/libXmu
+version=3
+http://xorg.freedesktop.org/releases/individual/lib/ libXmu-(.*)\tar\gz 

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013987576_1591897387.78/0/libxmu-1-1-2-2-diff-gz/libxmu_1.1.2-2.diff

1.110 cloud-init 20.4.1-2.ph4

1.110.1 Available under license:

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charge.
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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

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executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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1.115 prometheus-common 0.10.0

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# version 0.1
#
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##
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##
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#*TITLE: List of code with permissive licenses as used by GnuPG.
#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.120 python 2.7.15~rc1-1

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

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

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

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

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>','
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

That's all there is to it!

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The End

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION
Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

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

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

=cut

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

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

my ($opt) = @ARGV;

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

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

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

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";
The copyright message is the first paragraph:
local $/ = ''; 
my $copyright_msg = <readme>;

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

$year;
}

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

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

$year;
}

1.130 kubernetes-model 4.6.3 
1.130.1 Available under license :
Apache-2.0

1.131 numacll 2.0.11-2.1ubuntu0.1 
1.131.1 Available under license :
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1.132 tar 1.29b 2ubuntu0.2

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(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

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

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

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

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
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from the Corresponding Source as a System Library, need not be
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1.133 update-manager 18.04.11.13
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This package was debianized by Michiel Sikkes <michiel@eyesopened.nl> on Mon, 25 Oct 2004 21:49:07 +0200.

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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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package java.security;

import java.io.Serializable;

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

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException {
    }

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

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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* 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.

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questions.
<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.

<p>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".

<p><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.

<p><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>.</p>

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:
<ul>
<li>Set the metadata of the new text to the metadata of the first character replaced</li>
<li>If no characters are replaced, use the metadata of the previous character</li>
<li>If there is no previous character (i.e. start == 0), use the following character</li>
<li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
<li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>
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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<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p><em>Note:</em> 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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@see Replaceable
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

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

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

That's all there is to it!

/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)  
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)  
*  
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.  
* http://www.hypermall.com/  
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY  
* interrupts us (except possibly for removal/insertion of the cable?)  
* 10/4/97 - began heavy inline documentation of the code. Corrected typos  
* and spelling mistakes.  
* 10/5/97 - added code to handle PHY interrupts, disable PHY on  
* loss of link, and correctly re-enable PHY when link is  
* re-established. (put back CFG_PHYIE)  
*  
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.  
*  
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997  
*  
* Linux driver for the IDT77201 NICStAR PCI ATM controller.  
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;  
* see init_nicstar() for PHY initialization to change this. This driver  
* expects the Linux ATM stack to support scatter-gather lists  
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.  
*  
* Implementing minimal-copy of received data:  
* IDT always receives data into a small buffer, then large buffers  
* as needed. This means that data must always be copied to create  
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)  
* Fix is simple: make large buffers large enough to hold entire  
* SDU, and leave <small_buffer_data> bytes empty at the start. Then  
* copy small buffer contents to head of large buffer.  
* Trick is to avoid fragmenting Linux, due to need for a lot of large  
* buffers. This is done by 2 things:  
* 1) skb->destructor / skb->atm.recycle_buffer  
* combined, allow nicstar_free_rx_skb to be called to  
* recycle large data buffers  
* 2) skb_clone of received buffers  
* See nicstar_free_rx_skb and linearize_buffer for implementation  
* details.  
*  
* */
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* M. Welsh, 6 July 1996
* */

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.141 jackson-databind 2.10.0

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1.142 grub2 2.02-2ubuntu8.23

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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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uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
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1.145 python-service-identity 16.0.0-3.ph2

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1.146 zap 1.17.0

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1.147 icu 60.2 3ubuntu3.1

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $<$(DEFS) $<CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $<$(DEFS) $<CPPFLAGS)
## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed \"s/(.*).o\[ :\]*/\1.o $@ : /g\" > $@; \n[ -s $@ ] || rm -f $@' 
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed \"s/(.*).o\[ :\]*/\1.o $@ : /g\" > $@; \n
## 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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1.158 ssh-import-id 5.7

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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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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.

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:

\[
\text{begin-array} = \text{ws } %x5B \text{ ws ; [ left square bracket}
\]
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
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 "\uDD834uDD1E".

```
string = quotation-mark *char quotation-mark

char = unescaped / escape (
  %x22 / ; " quotation mark 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
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

true

14. Contributors

RFC 4627 was written by Douglas Crockford. This document was constructed by making a relatively small number of changes to that document; thus, the vast majority of the text here is his.

15. References

15.1. Normative References


15.2. Informative References


Bray                         Standards Track             [Page 13]

RFC 7159                      JSON                      March 2014


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.
o Added a "Contributors" section crediting Douglas Crockford.

o Added a reference to RFC 4627.

o Moved the ECMAScript reference from Normative to Informative and updated it to reference ECMAScript 5.1, and added a reference to ECMA 404.

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

## 2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

## 2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of
  `JSON.dump_default_options`.
* More tests by Michael Mac-Vicar <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](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
  explicitely 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)
* Triger 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.
* 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/run.rb, we're using test.rb 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 hexadecimals) as well.
* Added aliases generate and `pretty_generate` of unparse and `pretty_unparse`.
* Fixed a test case.
* Catch an `Iconv::InvalidEncoding` exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

## 2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (`/`-characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

## 2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

## 2005-09-23 (0.4.0)
* Initial Rubyforge Version

Found in path(s):
* /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
No license file was found, but licenses were detected in source scan.

/*
* This code is copyrighted work by Daniel Luz <dev at mernen dot com>.
* */
* Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt
*/

Found in path(s):
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/RuntimeInfo.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/GeneratorMethods.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/StringEncoder.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/OptionsReader.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Parser.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/GeneratorService.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/ParserService.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/ByteListTranscoder.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/GeneratorState.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Utils.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/StringDecoder.java
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/java/src/json/ext/Generator.java

1.167 libpng 1.6.34 1ubuntu0.18.04.2
1.167.1 Available under license :

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---------------------------------------------------------------------------
pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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```
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1.171 libnetfilter-conntrack 1.0.6 2

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1.172 init-system-helpers 1.51

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DanB <danb@cgrates.org>
David Wilkie <dwilkie@gmail.com>
1.174 httpcomponents-core 4.3.2

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1.177 libxcb 1.13 2~ubuntu18.04

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

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*/
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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

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

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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): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(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".

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Gadi Oxman, August 1995
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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
+ } 
+ 
+ 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 

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<![endif]-->

<!-- HTML5 element support for IE6-8 -->
<!--[if It IE 9)]>
<script src="/sites/all/modules/jquery_update/replace/jquery/1.10/jquery.min.js"></script>
<![endif]-->
<script type="text/javascript" src="https://opensource.org/files/js/js_aczm2rRgH_slWBpvnD3KMrK7rwa1i99HOq8IUAb99Co.js"></script>
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1.208 bsd-mailx 8.1.2-0.20160123cvs-4

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Maintaining folders

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 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 Mail where your folder directory is, put a line of the form

```
set folder=letters
```

in your .mailrc file. If, as in the example above, your folder directory does not begin with a `/',

Mail
will assume that your folder directory is to be found starting from
your home directory. Thus, if your home directory is
.
/home/person
the above example told
.
Mail
to find your folder directory in
.
/home/person/letters
.
.p
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
.
.save
command, you can use:
.
(l
.save +classwork
.)l
to save the current message in the
.
.classwork
folder. If the
.
.classwork
folder does not yet exist, it will be created. Note that messages
which are saved with the
.
.save
command are automatically removed from your system mailbox.
.
.p
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
.
.copy
command, which is identical in all other respects to the
.
.save
command. For example,
.
(l
.copy +classwork
.)l
copies the current message into the
.
.classwork
folder and leaves a copy in your system mailbox.
.
.p
The
.
.folder
command
can be used to direct
.
.Mail
to the contents of a different folder.
For example,
.
(l
.folder +classwork
.)l
directs
Mail
to read the contents of the
classwork
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
classwork
folder without looking at your system mailbox.
"OpenBSD: mail7.nr,v 1.3 2003/06/03 02:56:11 millert Exp $
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"
This section describes the format of messages. Messages begin with a
line, which consists of the word
followed by a user name, followed by anything, followed by
a date in the format returned by the
library routine described in section 3 of the Unix Programmer's
Manual. A possible
format date is:
(Tue Dec  1 10:58:23 1981
The
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
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:
   .i article-id ,
   .i bcc ,
   .i cc ,
   .i from ,
   .i reply-to ,
   .i sender ,
   .i subject ,
   and
   .i to .
Other header fields are also significant to other systems; see,
for example, the current Arpanet message standard for much more
information on this topic.
A header field can be continued onto following lines by making the
first character on the following line a space or tab character.
   .pp
If any headers are present, they must be followed by a blank line.
The part that follows is called the
   .i body
of the message, and must be ASCII text, not containing null characters.
Each line in the message body must be no longer than 512 characters and
terminated with an ASCII newline character.
If binary data must be passed through the mail system, it is suggested
that this data be encoded in a system which encodes six bits into
a printable character (i.e.: uuencode).
For example, one could use the upper and lower case letters, the digits,
and the characters comma and period to make up the 64 characters.
Then, one can send a 16-bit binary number
as three characters. These characters should be packed into lines,
preferably lines about 70 characters long as long lines are transmitted
more efficiently.
   .pp
The message delivery system always adds a blank line to the end of
each message. This blank line must not be deleted.
   .pp
The UUCP message delivery system sometimes adds a blank line to
the end of a message each time it is forwarded through a machine.
   .pp
It should be noted that some network transport protocols enforce
limits to the lengths of messages.
Mail Command	Description
-------------------------	--------------------------------------------
   t [message list]type message(s).
   more [message list]read message(s), through the $PAGER
   ngoto and type next message.
   e [message list]edit message(s).
   f [message list]give head lines of messages.
   d [message list]delete message(s).
s [message list] append message(s) to file.
u [message list] undelete message(s).
R [message list] reply to message sender(s).
r [message list] reply to message sender(s) and all recipients.
p [message list] print message list.
pre [message list] make messages go back to /var/mail.
m <recipient list> mail to specific recipient(s).
q quit, saving unresolved messages in mbox.
x quit, do not remove system mailbox.
h print out active message headers.
! shell escape.
| [msglist] command| pipe message(s) to shell command.
pi [msglist] command| pipe message(s) to shell command.
cd [directory]| chdir to directory or home if none given
fi <file>| switch to file (%=system inbox, %user=user's system inbox). + searches in your folder
directory for the file.
set variable[=value] set Mail variable.

A [message list] consists of integers, ranges of same, :status, /subject, or user names separated by spaces. If omitted, Mail uses the current message.
The pipe command doesn't accept user names or subject message list, since that might conflict with the command string.

A <recipient list> consists of recipient addresses or aliases separated by spaces. Aliases are defined in .mailrc in your home directory.

<file> is a full or relative pathname, +folder, % (system inbox), %user (specified user's system inbox), # (previous file), & (mbox file), or an expression understood by ${SHELL:-/bin/sh} -c 'echo ...'.

The following ~ escapes are defined:
~b name ... Add names to "blind" Cc: list.
~c name ... Add names to Cc: field.
~d Read dead.letter into message.
~e Invoke text editor on partial message.
~F messages Same as ~f, but includes all headers.
~f messages Read in messages.
~h Edit the header fields.
~M messages Same as ~m, but includes all headers.
~m messages Read in messages, right shifted by a tab.
~p Print (show) the message buffer.
~q Abort message; optionally save copy to ~/dead.letter.
~r file | ~< file Read a file into the message buffer.
~s string Set Subject: field to string.
~t name ... Add names to To: field.
~v Invoke display editor on message.
~w filename Write message to file.
~x Abort message; no copy is saved.
~? Print a brief summary of tilde escapes.
~! command Execute shell command.
~| command Pipe message through command.
~: command | ~_ command Execute a Mail command.
~~ string Quote a single tilde.
~. Simulate end of file on input.

------------------------------------------------------------------------------
"OpenBSD: mail1.nr,v 1.4 2004/06/04 00:04:54 jmc Exp $
"
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"
"@(#)mail1.nr 8.1 (Berkeley) 6/8/93
"
.sh 1 Introduction
.pp
.i Mail
provides a simple and friendly environment for sending and receiving mail.
It divides incoming mail into
its constituent messages and allows the user to deal with them
in any order. In addition, it provides a set of
.i ed -c
like commands for manipulating messages and sending mail.
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 \textasciitilde\text-2UNIX\textasciitilde is a trademark of Bell Laboratories.

shell, the text editor, and some of the common \text-2UNIX\text commands.

"The \text-2UNIX\text 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. /bin/mail is not included in OpenBSD so there is no ambiguity and the BSD mail program is installed as /usr/bin/mail ; /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, 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 .csh user, you will be notified when new mail arrives if you inform the shell of the location of your mailbox. On OpenBSD, your system mailbox is located in the directory /var/mail in a file with your login name. If your login name is .q sam, then you can make .csh notify you of new mail by including the following line in your .cshrc file:

```
set mail=/var/mail/sam
```

When you read your mail using .Mail, it reads your system mailbox and separates that file into the individual messages that have been sent to you. You can then read, reply to, delete, or save these messages. Each message is marked with its author and the date they sent it.

```
"$OpenBSD: mail2.nr,v 1.5 2004/06/04 00:04:54 jmc Exp $
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```
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:

```
% 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 Mail to echo the EOT and return you to the Shell. When the user you sent mail to next logs in, he will receive the message:

```
You have mail.
```

to alert him to the existence of your message.

If, while you are composing the message you decide that you do not wish to send it after all, you can abort the letter with a Control-C. Typing a single Control-C causes Mail to print

```
(Interrupt -- one more to kill letter)
```

Typing a second Control-C causes Mail to save your partial letter on the file 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.

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.

If you want to send the same message to several other people, you can list
their login names on the command line.
Thus,
% 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.
.
If, when you log in, you see the message,
% Mail
You have mail.
.
you can read the mail by typing simply:
%
.
)l
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.
.
Mail
keeps track of which messages are
new (have been sent since you last read your mail) and
read (have been read by you). New messages have an
N next to them in the header listing and old, but unread messages have
a
U next to them.
.
Mail
keeps track of new/old and read/unread messages by putting a
header field called
Status
into your messages.
.
To look at a specific message, use the
type command, which may be abbreviated to simply
For example, if you had the following messages:

```
N 1 root  Wed Sep 21 09:21  "Tuition fees"
N 2 sam  Tue Sep 20 22:55
```

you could examine the first message by giving the command:

```
> type 1
```

which might cause

```
.i Mail
```
to respond with, for example:

```
>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!!
```

```
>Many
>.i Mail
```

commands that operate on messages take a message number as an argument like the

```
.b type
```

cmd. 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,

```
> t
```

to type the current message. As a further shorthand, you can type a message by simply giving its message number. Hence,

```
> 1
```

would type the first message.

```
>.pp
```

Frequently, it is useful to read the messages in your mailbox in order, one after another. You can read the next message in

```
>.i Mail
```

by simply typing a newline. As a special case, you can type a newline as your first command to

```
>.i Mail
```
to type the first message.

If, after reading a message, you wish to immediately send a reply, you can do so with the `reply` command. 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:

```
(l reply)
```

`Mail` responds by typing:

```
(l 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

```
.q "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

```
.q "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 reply command can be abbreviated to `r`.

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` 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
.q frank,
you would do:
.(l
mail frank
This is to confirm our meeting next Friday at 4.
EOT
&
.)l
The
.b mail
can be abbreviated to
.b m .
.pp
Normally, each message you receive is saved in the file
.i mbox
in your login directory at the time you leave
.i Mail .
Often,
however, you will not want to save a particular message you
have received because it is only of passing interest. To avoid
saving a message in
.i mbox
you can delete it using the
.b delete
command. In our example,
.(l
delete 1
.)l
will prevent
.i Mail
from saving message 1 (from root) in
.i mbox .
In addition to not saving deleted messages,
.i Mail
will not let
you type them, either. The effect is to make the message disappear
altogether, along with its number. The
.b delete
can be abbreviated to simply
.b d .
.pp
Many features of
.i Mail
can be tailored to your liking with the
.b set
command. The
.b set
The command has two forms, depending on whether you are setting a.

- Binary options are either on or off. For example, the .q ask option informs .i Mail that each time you send a message, you want it to prompt you for a subject header, to be included in the message.

To set the .q ask option, you would type

```
$ set ask
```

Another useful .i Mail option is .q hold.

Unless told otherwise, .i Mail moves the messages from your system mailbox to the file .i mbox in your home directory when you leave .i Mail.

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

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

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

for example. Note that no spaces are allowed in .q "SHELL=/bin/csh."

A complete list of the
mail options appears in section 5.

Another important valued option is

mail 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

mail crt

option, you can make

mail

print any message larger than a given number of lines by sending

it through a paging program. This program is specified by the

valued option \fBPAGER\fP.

If \fBPAGER\fP is not set, a default paginator is used.

For example, most CRT users with 24-line screens should do:

(l

set crt=24
)

l

to paginate messages that will not fit on their screens.

In the default state, \fImore\fP (default paginator) prints a screenful of

information, then types ``byte XXX'', where `XXX' represents the number

of bytes paginated.

Type a space to see the next screenful.

Another adaptation to user needs that

mail

provides is that of

mail 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

b 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

q project

for them, you would use the

mail

command:

(l

alias project sam sally steve susan
)

l
The `.b alias` command can also be used to provide a convenient name for someone whose user name is inconvenient. For example, if a user named `.q "Bob Anderson"
had the login name `.q anderson," you might want to use:
`.l
alias bob anderson
`.l
so that you could send mail to the shorter name, `.q bob.
`.p
While the `.b alias` and `.b set` commands allow you to customize `.i Mail`, they have the drawback that they must be retyped each time you enter `.i Mail`.
To make them more convenient to use, `.i Mail always looks for two files when it is invoked. It first reads a system wide file `.q /etc/mail.rc,
then a user specific file, `.q .mailrc,
which is found in the user's home directory. The system wide file is maintained by the system administrator and contains `.b set commands that are applicable to all users of the system.
The `.q .mailrc file is usually used by each user to set options the way he likes and define individual aliases. For example, my .mailrc file looks like this:
`.l
set ask nosave SHELL=/bin/csh
`.l
As you can see, it is possible to set many options in the same `.b set command. The `.q nosave
Mail aliasing is implemented at the system-wide level by the mail delivery system 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:

```
alias: name\*<1\*>, name\*<2\*>, name\*<3\*>
```

where alias is the mailing list name and the 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 newaliases (as superuser) after editing /etc/mail/aliases since the delivery system uses an indexed file created by newaliases.

We have seen that 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 `-f` flag on the command line causes Mail to read messages from a file other than your system mailbox. For example, if you have a collection of messages in the file letters you can use Mail to read them with:

```
% Mail -f letters
```

You can use all the Mail options in.

option is described in section 5.

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```
% Mail -f letters
```

You can use all the Mail options in.
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.

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
.i
% Mail -f
.i

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 .

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 saved. For example,
.i

in our example would cause the second message (from sam) to be saved in mbox when the quit command is executed.

Mbox is also the way to direct messages to your mbox file if you have set the hold option described above.

Mbox can be abbreviated to mb.

When you have perused all the messages of interest, you can leave Mail with the quit command, which saves the messages you have typed but not deleted in the file 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:

% Mail

The quit command can be abbreviated to simply q.

If you wish for some reason to leave Mail quickly without altering either your system mailbox or mbox, you can type the x command (short for exit), which will immediately return you to the Shell without changing anything.

If, instead, you want to execute a Shell command without leaving Mail,
you can type the command preceded by an exclamation point, just as in the text editor. Thus, for instance:

```bash
!date
```

will print the current date without leaving `mail`

Finally, the `help` command is available to print out a brief summary of the `mail` commands, using only the single character command abbreviations.

```
"OpenBSD: maila.nr,v 1.3 2003/06/03 02:56:11 millert Exp $
" Copyright (c) 1980, 1993
" The Regents of the University of California. All rights reserved.
" Redistribution and use in source and binary forms, with or without
" modification, are permitted provided that the following conditions
" are met:
" 1. Redistributions of source code must retain the above copyright
" notice, this list of conditions and the following disclaimer.
" 2. Redistributions in binary form must reproduce the above copyright
" notice, this list of conditions and the following disclaimer in the
" documentation and/or other materials provided with the distribution.
" 3. Neither the name of the University nor the names of its contributors
" may be used to endorse or promote products derived from this software
" without specific prior written permission.
" THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS ``AS IS'' AND
" ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
" IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
" ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE
" FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
" DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
" OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
" HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
" LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
" OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
" SUCH DAMAGE.
" maila.8.1 (Berkeley) 6/8/93
" OpenBSD: mail5.nr,v 1.6 2008/11/03 18:20:45 jmc Exp $ 
" Copyright (c) 1980, 1993
```
This section describes some additional commands useful for reading your mail, setting options, and handling lists of messages. Along with the `type` and `delete` commands, described in section 2, there is the `from` command, which prints the message headers associated with the message list passed to it. The `from` command is particularly useful for mail commands that accept a list of messages as an argument.
command is particularly useful in conjunction with some of the message list features described below.

A "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 "^", ".", or "$" to specify the first relevant, current, or last relevant message, respectively.

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:

:type 1-4

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

:type .-$

A 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 "relevant" (in the sense described earlier) is selected. Thus, to print every message sent to you by ".q root, do
As a shorthand notation, you can specify simply
\( q \ast \)

 to get every
\( .i \) relevant
(same sense)
message. Thus,
\( .i type \ast \)
\( .i \)

prints all undeleted messages,
\( .i delete \ast \)
\( .i \)
deletes all undeleted messages, and
\( .i undelete \ast \)
\( .i \)
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,
\( .d :\)
\( .i from \) /pascal
\( .i \)

Note that subject searching ignores upper/lower case differences.
\( .sh 2 "List of commands" \)
\( .pp \)
This section describes all the
\( .i Mail \)
commands available when receiving mail.
\( .i p "fB\-fP\" \)
The
\( .rb \-\)
c command goes to the previous message and prints it. The
\( .rb \-\)
c command may be given a decimal number
\( .i n \)
as an argument, in which case the
\( .i n \) th
previous message is gone to and printed.

```
.p "\fB?\fP \ "
```

Prints a brief summary of commands.

```
.p "\fB\fP \ "
```

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

```
.p "\fBPrint\fP \ "
```

Like

```
.b print ,
```

but also print out ignored header fields. See also

```
\fBPrint\fP, \fBIgnore\fP, and \fBRetain\fP.
```

```
\fBPrint\fP can be abbreviated to \fBP\fP.
```

```
.p "\fBReply\fP or \fBRespond\fP \ "
```

Note the capital \fBReply\fP in the name.

Frame a reply to one or more messages.

The reply (or replies if you are using this on multiple messages)
will be sent ONLY to the person who sent you the message
(respectively, the set of people who sent the messages you are
replying to).

You can

add people using the \fB~t\fP, \fB~c\fP, and \fB~b\fP

```
\fB~t\fP, \fB~c\fP, and \fB~b\fP
```

tilde escapes. The subject in your reply is formed by prefacing the
subject in the original message with

```
.q "Re:"
```

unless it already began thus.

If the original message included a

```
.q "reply-to"
```

header field, the reply will go

```
i only
```
to the recipient named by

```
.q "reply-to."
```

You type in your message using the same conventions available to you
through the

```
.b mail
```

command.

The

```
.b Reply
```

custom is especially useful for replying to messages that were sent
to enormous distribution groups when you really just want to
send a message to the originator. Use it often.

```
\fBReply\fP (and \fBRespond\fP) can be abbreviated to \fBReply\fP.
```

```
.p "\fBType\fP \ "
```

Identical to the

```
.b Print
```

command.

```
\fBType\fP can be abbreviated to \fBType\fP.
```

```
.p "\fBalas\fP \ "
```

Define a name to stand for a set of other names.

This is used when you want to send messages to a certain
group of people and want to avoid retyping their names.
For example
   .(l
   alias project john sue willie kathryn
   .)l

creates an alias
   .i project

which expands to the four people John, Sue, Willie, and Kathryn.
If no arguments are given, all currently-defined aliases are printed.
If one argument is given, that alias is printed (if it exists).
\fBAlias\fP can be abbreviated to \fBa\fP.
   .ip "\fBAlternates\fP"

If you have accounts on several machines, you may find it convenient
to use /etc/mail/aliases on all the machines except one to direct
your mail to a single account.
The
   .b alternates

command is used to inform
   .i Mail

that each of these other addresses is really
   .i you .

Alternates
takes a list of user names and remembers that they are all actually you.
When you
   .b reply

to messages that were sent to one of these alternate names,
   .i Mail

will not bother to send a copy of the message to this other address (which
would simply be directed back to you by the alias mechanism).
If
   .i alternates

is given no argument, it lists the current set of alternate names.
   .b Alternates

is usually used in the .mailrc file.
\fBAlternates\fP can be abbreviated to \fBalt\fP.
   .ip "\fBchdir\fP"

The
   .b chdir

command allows you to change your current directory.
   .b Chdir
takes a single argument, which is taken to be the pathname of
the directory to change to.  If no argument is given,
   .b chdir

changes to your home directory.
\fBChdir\fP can be abbreviated to \fBc\fP.
   .ip "\fBcopy\fP"

The
   .b copy
command does the same thing that
.b save
does, except that it does not mark the messages it is used on
for deletion when you quit.
\fBCopy\fP can be abbreviated to \fBco\fP.
.ip "\fBDdelete\fP\n"
Deletes a list of messages. Deleted messages can be reclaimed
with the
.b undelete
command.
\fBDelete\fP can be abbreviated to \fBd\fP.
.ip "\fBDp\fP or \fBdt\fP\n"
These
commands delete the current message and print the next message.
They are useful for quickly reading and disposing of mail.
If there is no next message, \fIMail\fP says ```No more messages.''
.ip "\fBedit\fP\n"
To edit individual messages using the text editor, the
.b edit
command is provided. The
.b edit
command takes a list of messages as described under the
.b type
command and processes each by writing it into the file
Message\c
.i x
where
.i x
is the message number being edited and executing the text editor on it.
When you have edited the message to your satisfaction, write the message
out and quit, upon which
.i Mail
will read the message back and remove the file.
.b Edit
can be abbreviated to
.b e .
.ip "\fBelse\fP\n"
Marks the end of the then-part of an
.b if
statement and the beginning of the
part to take effect if the condition of the
.b if
statement is false.
.ip "\fBendif\fP\n"
Marks the end of an
.b if
statement.
.ip "\fBexit\fP or \fBxit\fP\n"
Leave
.i Mail
without updating the system mailbox or the file you were reading.
Thus, if you accidentally delete several messages, you can use
.b exit
to avoid scrambling your mailbox.
\fBExit\fP can be abbreviated to \fBex\fP or \fBx\fP.
.ip "\fBfile\fP"
The same as
.b folder.
\fBFile\fP can be abbreviated to \fBfi\fP.
.ip "\fBfolders\fP"
List the names of the folders in your folder directory.
.ip "\fBfolder\fP"
The
.b folder
close 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:

<table>
<thead>
<tr>
<th>Name</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>_</td>
<td>Previous file read</td>
</tr>
<tr>
<td>%</td>
<td>Your system mailbox</td>
</tr>
<tr>
<td>%-name</td>
<td>File\fP's system mailbox</td>
</tr>
<tr>
<td>&amp;</td>
<td>Your ~/mbox file</td>
</tr>
<tr>
<td>+folder</td>
<td>A file in your folder directory</td>
</tr>
</tbody>
</table>

\fBFolder\fP can be abbreviated to \fBfo\fP.
.ip "\fBfrom\fP"
The
.b from
close command takes a list of messages and prints out the header lines for each one;

hence
.i(l
.from joe
.i(l
is the easy way to display all the message headers from \fBjoe\fP
\fBFrom\fP can be abbreviated to \fBf\fP.
.ip "\fBheaders\fP"
When you start up
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, tags the message header of each message that has been the object of the preserve command with a P. Messages that have been saved or written are flagged with a *. Finally, deleted messages are not printed at all. If you wish to reprint the current list of message headers, you can do so with the headers command. The 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, maintains a notion of the current window into your messages for the purposes of printing headers. Use the z command to move forward a window, and z- to move back a window. You can move notion of the current window directly to a particular message by using, for example, (l headers 40 )l to move.

.i Mail
attention to the messages around message 40. 
Headers can be abbreviated to h.
Print a brief and usually out of date help message about the commands
in
Mail.
The
man page for
mail is usually more up-to-date than either the help message or this manual. It is also a synonym for man.
Hold can be abbreviated to ho.
Arrange to hold a list of messages in the system mailbox, instead of moving them to the file
mbox
in your home directory. If you set the binary option
hold, this will happen by default. It does not override the delete command. Hold can be abbreviated to ho.
Commands in your .mailrc file can be executed conditionally depending on whether you are sending or receiving mail with the
if command. For example, you can do:
if receive
commands...
endif
An
else form is also available:
if send
commands...
else
commands...
endif
Note that the only allowed conditions are receive and send.
ignore
N.B.:
Ignore
has been superseded by
retain.

Add the list of header fields named to the "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 Via
which are not usually of interest. The
Type
and
Print
commands can be used to print a message in its entirety, including ignored fields.

If
ignore
is executed with no arguments, it lists the current set of ignored fields.

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.

List the valid Mail commands.
\fBList\fP can be abbreviated to \fBl\fP.

.. ip \fBLocal\fP
.. Define a list of local names for this host. This command is useful when the host is known by more than one name. Names in the list may be qualified be the domain of the host. The first name on the local list is the distinguished name of the host. The names on the local list are used by Mail to decide which addresses are local to the host.
.. For example:
.. \f{l
.. \flocal ucharpa.BERKELEY.ARPA arpa.BERKELEY.ARPA \f
.. arpavax.BERKELEY.ARPA r.BERKELEY.ARPA \f
.. ucb-arpa.ARPA
.. \f}l
.. From this list we see that

... i "fred@ucbarpa.BERKELEY.ARPA",
... i "harold@arpa.BERKELEY",
... and
... i "larry@r"
... are all addresses of users on the local host.
... The
... b local
... command is usually not used by general users since it is designed for
... local configuration; it is usually found in the file /usr/lib/Mail.rc.
.ip "\fBmail\fP" Send mail to one or more people. If you have the
... i ask
... option set,
... i Mail
... will prompt you for a subject to your message. Then you
can type in your message, using tilde escapes as described in
section 4 to edit, print, or modify your message. To signal your
satisfaction with the message and send it, type <Control-D> at the
beginning of a line, or a . alone on a line if you set the option
... i dot .
... To abort the message, type two interrupt characters (Control-C
by default) in a row or use the
... b -q
... or
... b -x
... escapes.
The \fBmail\fP command can be abbreviated to \fBm\fP.
.ip "\fBmbox\fP" Indicate that a list of messages be sent to
... i mbox
... in your home directory when you quit. This is the default
action for messages if you do
... i not
... have the
... i hold
... option set.
.ip "\fBmore\fP" Takes a message list and invokes the pager on that list.
.ip "\fBnext\fP or \fB+\fP" The
... b next
... command goes to the next message and types it. If given a message list,
... b next
goes to the first such message and types it. Thus,
... (l
... next root
... )l
goes to the next message sent by
and types it. The next command can be abbreviated to simply a newline, which means that one can go to and type a message by simply giving its message number or one of the magic characters

```
.q "^"
.q "."
```
or

```
.q "$".
```
Thus,

```
.(l
\&.
)l
```
prints the current message and

```
.(l
4
)l
```
prints message 4, as described previously.

```
\fBNext\fP can be abbreviated to \fBn\fP.
```

```
ip "\fBpreserve\fP \fB\ "
```
Same as

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

```
\fBPreserve\fP can be abbreviated to \fBpre\fP.
```

```
.ip "\fBprint\fP \fB "
```
Print the specified messages. If the

```
.b crt
```
variable is set, messages longer than the number of lines it indicates are paged through the command specified by the \fBPAGER\fP variable. The \fBprint\fP command can be abbreviated to \fBp\fP.

```
.ip "\fBquit\fP \fB "
```
Terminates the session, saving all undeleted, unsaved and unwritten messages in the user's \fImbox\fP file in their login directory (messages marked as having been read), preserving all messages marked with \fBhold\fP or \fBpreserve\fP or never referenced in their system mailbox.

Any messages that were deleted, saved, written, or saved to \fImbox\fP are removed from their system mailbox.

If new mail has arrived during the session, the message

```
```
"You have new mail"
```
is given. If given while editing a mailbox file with the \fB-\fP flag, then the edit file is rewritten.

A return to the Shell is effected, unless the rewrite of edit file fails, in which case the user can escape with the \fBexit\fP command.

```
\fBQuit\fP can be abbreviated to \fBq\fP.
```

```
.ip "\fBreply\fP or \fBrespond\fP \fB "
```
Frame a reply to a single message.

The reply will be sent to the
person who sent you the message (to which you are replying), plus all the people who received the original message, except you. You can add people using the \fB~t\fP, \fB~c\fP, and \fB~b\fP tilde escapes. The subject in your reply is formed by prefacing the subject in the original message with
   .q "Re:"
unless it already began thus.
If the original message included a
   .q "reply-to"
header field, the reply will go
   .i only
to the recipient named by
   .q "reply-to."
You type in your message using the same conventions available to you through the
   .b mail
command.
The \fBreply\fP (and \fBrespond\fP) command can be abbreviated to \fBr\fP.
   .ip "\fBretain\fP "
Add the list of header fields named to the \fIretained list\fP.
Only the header fields in the retain list
are shown on your terminal when you print a message.
All other header fields are suppressed.
The
   .b Type
and
   .b Print
commands can be used to print a message in its entirety.
If
   .b retain
is executed with no arguments, it lists the current set of
retained fields.
   .ip "\fBsave\fP "
It is often useful to be able to save messages on related topics
in a file. The
   .b save
command gives you the ability to do this. The
   .b save
command takes as an argument a list of message numbers, followed by
the name of the file in which to save the messages. The messages
are appended to the named file, thus allowing one to keep several
messages in the file, stored in the order they were put there.
The filename in quotes, followed by the line
count and character count is echoed on the user's terminal.
An example of the
   .b save
command relative to our running example is:
   .(l
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. 

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

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

Header fields thus marked are filtered out when saving a message by .b save\p or when automatically saving to .i mbox\p. .b save\p overrides .b saveignore\p.

Header fields thus marked are filtered out when saving a message by .b save\p or when automatically saving to .i mbox\p. .b save\p overrides .b saveignore\p.

Set an option or give an option a value. Used to customize .i Mail .

Section 5.3 contains a list of the options. Options can be .i binary , in which case they are .i on or .i off , or .i valued .

To set a binary option .i on .i option .i on , do

```
set option
```

To give the valued option .i option the value .i value , do

```
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 .b set command.

\fBSet\fP can be abbreviated to \fBse\fP.

The .b shell command allows you to escape to the shell.

\fBShell\fP invokes an interactive shell and allows you to type commands to it. When you leave the shell, you will return to .i Mail .

The shell used is a default assumed by .i Mail ; you can override this default by setting the valued option .q SHELL,

eg:

.(l
  set SHELL=/bin/csh
  )l

\fBShell\fP can be abbreviated to \fBsh\fP.

\fBsize\fP takes a message list and prints out the size in characters of each message.

\fBsource\fP The .b source command reads .i mail commands from a file. It is useful when you are trying to fix your .q .mailrc file and you need to re-read it.

\fBtop\fP The .b top command takes a message list and prints the first five lines of each addressed message. If you wish, you can change the number of lines that .b top prints out by setting the valued option .q "toplines."

On a CRT terminal, .l

.l
  set toplines=10
  )l

might be preferred.
Top can be abbreviated to to.

Type "print"

Takes a message list and types out each message on the terminal.
The Type command can be abbreviated to t.

Unalias ""

Takes a list of names defined by alias commands and discards the remembered groups of users.
The group names no longer have any significance.

Undefine ""

Takes a message list and marks each message as not being deleted.

Undefine can be abbreviated to u.

Unread ""

Takes a message list and marks each message as not having been read.

Unread can be abbreviated to U.

Unset ""

Takes a list of option names and discards their remembered values; the inverse of set.

Visual ""

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 visual command. The operation of the visual command is otherwise identical to that of the edit command. Both the edit and visual commands assume some default text editors. The default for EDITOR is /usr/bin/ex.

The default for VISUAL is /usr/bin/vi.

These default editors can be overridden by the valued options.

EDITOR
and
.q VISUAL
for the standard and screen editors. You might want to do:
.(l
set EDITOR=/bin/ed VISUAL=/usr/bin/mg
).(l
\fBVisual\fP can be abbreviated to \fBv\fP.
.ip "\fBwrite\fP\ "
The
.b save
command always writes the entire message, including the headers, into the file. If you want to write just the message itself, you can use the
.b write
command. The
.b write
command has the same syntax as the
.b save
command, and can be abbreviated to simply
.b w.
Thus, we could write the second message by doing:
.(l
w 2 file.c
).(l
As suggested by this example, the
.b write
command is useful for such tasks as sending and receiving source program text over the message system. The filename in quotes, followed by additional file information, is echoed on the user's terminal.
.ip "\fBz\fP\ "
.i Mail
presents message headers in windowfuls as described under the
.b headers
command.
You can move
.i Mail's
attention forward to the next window by giving the
.(l
z+
).(l
command. Analogously, you can move to the previous window with:
.(l
z-
).(l
.sh 2 "Custom options"
.pp
Throughout this manual, we have seen examples of binary and valued options. This section describes each of the options in alphabetical order, including some that you have not seen yet.

To avoid confusion, please note that the options are either all lower case letters or all upper case letters. When I start a sentence such as:

.q "Ask"
causes
.i Mail
to prompt you for a subject header,
I am only capitalizing
.q ask
as a courtesy to English.
.ip ""EDITOR"
The valued option
.q EDITOR
defines the pathname of the text editor to be used in the
.b edit
command and ~e escape.
If not defined,
.i /usr/bin/ex
is used.
.ip ""EDITOR"
Pathname of the directory lister to use in the folders command. Default is /bin/ls.
.ip ""EDITOR"
The name of the Mbox file.
It can be the name of a folder.
The default is "mbox" in the user's home directory.
.ip ""EDITOR"
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 ""EDITOR"
The valued option
.q SHELL
gives the path name of your shell. This shell is used for the
.b !
command and ~! escape. In addition, this shell expands file names with shell metacharacters like * and ? in them.
.ip ""EDITOR"
The valued option
.q VISUAL
defines the pathname of the screen editor to be used in the
.b visual
command
and ~v escape.
If not defined,
is used.

The `append` option is binary and causes messages saved in `mbox` to be appended to the end rather than prepended. Normally, `Mail` will put messages in `mbox` in the same order that the system puts messages in your system mailbox.

By setting `append`, you are requesting that `mbox` be appended to regardless. It is in any event quicker to append.

`Ask` is a binary option which causes `Mail` to prompt you for the subject of each message you send. If you respond with simply a newline, no subject field will be sent.

`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.

`Askcc` is a binary option which causes you to be prompted for additional carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.

`autoinc` Causes new mail to be automatically incorporated when it arrives. Setting this is similar to issuing the `inc` command at each prompt, except that the current message is not reset when new mail arrives.

`autoprint` is a binary option which causes the `delete` command to behave like `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.

The valued option
.crt
is used as a threshold to determine how long a message must be before
.PAGER
is used to read it.

The binary option
.debug
causes debugging information to be displayed. Use of this option is the same as using the \fd\debug\command line flag.

Dot
is a binary option which, if set, causes
.Mail
to interpret a period alone on a line as the terminator of the message you are sending.

To allow you to change the escape character used when sending mail, you can set the valued option
.escape.
Only the first character of the 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 `/
.Mail
considers it to be an absolute pathname; otherwise, the folder directory is found relative to your home directory.

The binary option
.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 \bbox file.

The binary option
.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
command mode.
Setting the
.q ignore
option is equivalent to supplying the
.b \i
flag on the command line as described in section 6.
.ip "\fBignoreeof\fP\ "
An option related to
.q dot
is
.q ignoreeof ,
which makes
.i Mail
refuse to accept a <Control-D> as the end of a message.
.q Ignoreeof
also applies to
.i Mail
command mode.
.ip "\fBindentprefix\fP\ "
String used by the \fB~m\fP tilde escape for indenting messages,
in place of the normal tab character (\fB^I\fP).
Be sure to quote the value if it contains spaces or tabs.
.ip "\fBkeep\fP\ "
The
.q keep
option causes
.i Mail
to truncate your system mailbox instead of deleting it when it
is empty. This is useful if you elect to protect your mailbox, which
you would do with the shell command:
.(l
 chmod 600 /var/mail/yourname
.)l
where
.i yourname
is your login name. If you do not do this, anyone can probably read
your mail, although people usually don't.
.ip "\fBkeepsave\fP\ "
When you
.b save
a message,
.i Mail
usually discards it when you
.b quit .
To retain all saved messages, set the
.q keepsave
option.
.ip "\fBmetoo\fP\ "
When sending mail to an alias,
.i Mail
makes sure that if you are included in the alias, that mail will not
be sent to you. This is useful if a single alias is being used by
all members of the group. If however, you wish to receive a copy of
all the messages you send to the alias, you can set the binary option
.q metoo.
.ip "\fBnoheader\fP\ "
The binary option
.q noheader
suppresses the printing of the version and headers when
.i Mail
is first invoked. Setting this option is the same as using
.b \-N
on the command line.
.ip "\fBnosave\fP\ "
Normally,
when you abort a message with two <Control-C>'s,
.i Mail
copies the partial letter to the file
.q dead.letter
in your home directory. Setting the binary option
.q nosave
prevents this.
.ip "\fBReplyall\fP\ "
Reverses the sense of
.i reply
and
.i Reply
commands.
.ip "\fBquiet\fP\ "
The binary option
.q quiet
suppresses the printing of the version when
.i Mail
is first invoked,
as well as printing the for example
.q "Message 4:" from the
.b type
command.
.ip "\fBrecord\fP\ "
If you love to keep records, then the
valued option
.q record
can be set to the name of a file to save your outgoing mail.
Each new message you send is appended to the end of the file.
.ip "\fBscreen\fP\ "
When `.i Mail` initially prints the message headers, it determines the number to print by looking at the speed of your terminal. The faster your terminal, the more it prints.

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

```
"searchheaders"  
```
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.

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

```
"toplines"  
```
The valued option `.q toplines` defines the number of lines that the `.q top` command will print out instead of the default five lines.

```
"verbose"  
```
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.
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`, prefixed with a `-`. For example,

```
-b v 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,
```
A collection of messages. Often used in the phrase, "Have you read your mail?"
The place where your mail is stored, typically in the directory /var/mail.
A single letter from someone, initially stored in your mailbox.
A string used in Mail command mode to describe a sequence of messages.
A piece of special purpose information used to tailor Mail to your taste.
Options are specified with the `set` command.

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This section gives a quick summary of the 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>
</tbody>
</table>
Print message with ignored fields
Reply to author of message only
Respond same as \BReply\P
Type message with ignored fields
alias Define an alias as a set of user names
alternates List other names you are known by
chdir Change working directory, home by default
copy Copy a message to a file or folder
delete Delete a list of messages
dp Same as \Bdt\P
dt Delete current message, type next message
edit Edit a list of messages
else Start of else part of conditional; see \Bif\P
dendif End of conditional statement; see \Bif\P
exit Leave mail without changing anything
file Interrogate/change current mail file
folders List the folders in your folder directory
from List headers of a list of messages
headers List current window of messages
help Same as \B?\P
hold Same as \Bpreserve\P
if Conditional execution of \IMail\P commands
ignore Set/examine list of ignored header fields
inc Incorporate new messages
list List valid \IMail\P commands
mail Send mail to specified names
mbox Arrange to save a list of messages in \Imbox\P
more Invoke pager on message list
next Go to next message and type it
preserve Arrange to leave list of messages in system mailbox
print Print messages
quit Leave \IMail\P; update system mailbox, \Imbox\P as appropriate
reply Compose a reply to a message
respond Same as \Breply\P
retain Supersedes \Bignore\P
save Append messages, headers included, on a file
saveignore List of headers to ignore when using the \Bsave\P command
saveretain List of headers to retain when using the \Bsave\P command
set Binary or valued options
shell Invoke an interactive shell
size Prints out size of message list
source Read \IMail\P commands from a file
top Print first so many (5 by default) lines of list of messages
type Same as \Bprint\P
unalias Remove alias
undelete Undelete list of messages
unread Marks list of messages as not been read
unset undo the operation of a \texttt{set}\n
visual invoke visual editor on a list of messages

write append messages to a file, don't include headers

\texttt{xit} same as \texttt{exit}\n
\texttt{z} scroll to next/previous screenful of headers

\texttt{.TE}
\texttt{.b}
\texttt{.PP}

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

\texttt{.TS}
center;
ci ci ci
l ci l.

<table>
<thead>
<tr>
<th>Option</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| EDITOR     | valued | Pathname of editor for \texttt{-e} and \texttt{Bedit}\n
LISTER | valued | Pathname of directory lister\n
MBOX | valued | Pathname of the \texttt{Imbox}\ file\n
PAGER | valued | Pathname of pager for \texttt{BPrint}, \texttt{Bprint}, \texttt{BType} and \texttt{Btype}\n
SHELL | valued | Pathname of shell for \texttt{Bshell}, \texttt{-!} and \texttt{B}\n
VISUAL | valued | Pathname of screen editor for \texttt{-v}, \texttt{Bvisual}\n
append | binary | Always append messages to end of \texttt{Imbox}\n
askbinary | Prompt user for Subject: field when sending\n
askbccbinary | Prompt user for additional BCc's at end of message\n
askccbinary | Prompt user for additional Cc's at end of message\n
autobinary | Automatically incorporate new mail\n
ddefault | binary | Accept . alone on line to terminate message input\n
escape | valued | Escape character to be used instead of ~\n
folder | valued | Directory to store folders in\n
hold | binary | Hold messages in system mailbox by default\n
ignore | binary | Ignore <Control-C> while sending mail\n
ignoreeof | binary | Don't terminate letters/command input with \texttt{^D}\n
indentprefix | valued | String used for indenting messages\n
keep | binary | Don't unlink system mailbox when empty\n
keepsave | binary | Don't delete \texttt{save} messages by default\n
metoo | binary | Include sending user in aliases\n
noheader | binary | Suppress initial printing of version and headers\n
nosave | binary | Don't save partial letter in \texttt{dead.letter}\n
Reply all | binary | Reverses the sense of the \texttt{R} commands\n
quiet | binary | Suppress printing of \texttt{Mail} version/message numbers\n
record | valued | Pathname of the file to save all outgoing mail\n
screen | valued | Size of window of message headers for \texttt{z}, etc.\n
searchheaders | binary | Search string for message headers\n
sendmail | valued | Choose alternate mail delivery system
toplines
valued
Number of lines to print in \Btop\P

verbose
Invoke sendmail with the \B-v\P flag.

\TE

\)b
\(b
\pp

The following table summarizes the tilde escapes available while sending mail.

TS
center;
ci ci
l li l.

<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 \dead.letter\P 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>~&lt; file</td>
<td>Read a file into the message buffer.</td>
</tr>
<tr>
<td>~s string</td>
<td>Set Subject: field to \string\P.</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>
<tr>
<td>~?</td>
<td>Print a brief summary of tilde escapes.</td>
<td></td>
</tr>
<tr>
<td>~!command</td>
<td>Execute shell command.</td>
<td></td>
</tr>
<tr>
<td>~</td>
<td>command</td>
<td>Pipe message through \command\P.</td>
</tr>
<tr>
<td>~:command</td>
<td>Execute a \Mail\P command.</td>
<td></td>
</tr>
<tr>
<td>~\string</td>
<td>Quote a single tilde.</td>
<td></td>
</tr>
<tr>
<td>~</td>
<td>Simulate end of file on input.</td>
<td></td>
</tr>
</tbody>
</table>

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

TS
center;
c c
l a.
FlagDescription

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

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

"$OpenBSD: mail6.nr,v 1.6 2006/03/04 16:18:06 miod Exp $
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"" LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
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 \~B\~P command character, used when sending mail, is only available interactively.

- `-i`
  Ignore tty interrupt signals. This is particularly useful when using mail on noisy phone lines.

- `-N`
  Suppress the initial printing of headers.

- `-n`
  Inhibit reading of /etc/mail.rc upon startup.

- `-s string`
  Used for sending mail. String is used as the subject of the message being composed. If string contains blanks, you must surround it with quote marks.

- `-u name`
  Read names's mail instead of your own. Unwitting others often neglect to protect their mailboxes, but discretion is advised. Essentially,
"-u user"
is a shorthand way of doing
"-f /var/mail/user".
"-v"
Use the
"-v"
flag when invoking sendmail. This feature may also be enabled
by setting the option "verbose".

The following command line flags are also recognized, but are
intended for use by programs invoking
Mail
and not for people.
"-d"
Turn on debugging information. Not of general interest.
"-T file"
Arrange to print on
file
the contents of the
article-id
fields of all messages that were either read or deleted.
"-T"
is for the
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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DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
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
.i Mail .
You can override this default by setting the valued option
.q EDITOR
to something else. For example, you might prefer:
.(l
set EDITOR=/bin/ed
.)l
.pp
Many systems offer a screen editor as an alternative to the standard
text editor, such as the
.i vi
editor from UC Berkeley,
or
.i mg ,
an emacs-like editor.
To use the screen, or
.i visual
editor, on your current message, you can use the escape,
.(l
~v
.)l
~v works like ~e, except that the screen editor is invoked instead.
A default screen editor is defined by
.i Mail .
If it does not suit you, you can set the valued option
.q VISUAL
to the path name of a different editor.
.pp
It is often useful to be able to include the contents of some
file in your message; the escape
.(l
~r filename
.)l
is provided for this purpose, and causes the named file to be appended
to your current message.
.i Mail
complains if the file doesn't exist
or can't be read. If the read is successful, the number of lines and
characters appended to your message is printed, after which you may continue
appending text. The filename may contain shell metacharacters like * and ?
which are expanded according to the conventions of your shell.
.pp
As a special case of ~r, the escape
.(l
~d
.)l
reads in the file
in your home directory. This is often useful since
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.

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

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

which replaces any previous subject with
"Arbitrary string of text."
The subject, if given, is sent near the
top of the message prefixed with
.q "Subject:"
You can see what the message will look like by using ~p.
.pp
For political reasons, one occasionally prefers to list certain
people as recipients of carbon copies of a message rather than
direct recipients. The escape
.(1
~c name1 name2 ...
).(l
adds the named people to the
.q "Cc:
list, similar to ~t.
Again, you can execute ~p to see what the message will look like.
.pp
The escape
.(1
~b name1 name2 ...
).(l
adds the named people to the
.q "Cc:
list, but does not make the names visible in the
.q "Cc:
line (*"blind" carbon copy).
.pp
The recipients of the message together constitute the
.q "To:
field, the subject the
.q "Subject:
field, and the carbon copies the
.q "Cc:
field. If you wish to edit these in ways impossible with the ~t, ~s, ~c
and ~b escapes, you can use the escape
.(1
~h
).(l
which prints
.q "To:
followed by the current list of recipients and leaves the cursor
(or printhead) at the end of the line. If you type in ordinary
characters, they are appended to the end of the current list of
recipients. You can also use your erase character to erase back into
the list of recipients, or your kill character to erase them altogether.
Thus, for example, if your erase and kill characters are the standard
(on printing terminals) <Control-H> and <Control-U> keys,
.(1
~h
To: root kurt^H^H^H^Hbill
would change the initial recipients
to
"root bill."
When you type a newline,
Mail advances to the
"Subject:" field, where the same rules apply. Another newline brings you to the
"Cc:" field, which may be edited in the same fashion. Another newline brings you to the
"Bcc:" ("blind" carbon copy) field, which follows the same rules as the "Cc:" field. Another newline leaves you appending text to the end of your message. You can use ~p to print the current text of the header fields and the body of the message.

To effect a temporary escape to the shell, the escape
~!command is used, which executes
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
~|command which pipes your message through the command and uses the output as the new text of your message. If the command produces no output, Mail assumes that something is amiss and retains the old version of your message. A frequently-used filter is the command
fmt, designed to format outgoing mail.

To effect a temporary escape to command mode instead, you can use the
-Mail command instead, you can use the
~\IMail command\fP escape. This is especially useful for retyping the message you are
replying to, using, for example:
~

~:t

~!

It is also useful for setting options and modifying aliases.

~p

If you wish abort the current message, you can use the escape
~
~q
~!

This will terminate the current message and return you to the
shell (or \fIMail\fP if you were using the \fBmail\fP command).

If the \fBsave\fP option is set, the message will be copied
to the file
~q dead.letter
in your home directory.

~p

If you wish to abort the current message,
without saving any copy of it whatsoever,
even if the \fBsave\fP option is set,
you can use the escape
~
~x
~!

~p

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,
~
~~This line begins with a tilde.
~!

sends the line
~
~This line begins with a tilde.
~!

~p

Finally, the escape
~
~?
~!

prints out a brief summary of the available tilde escapes.

~p

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

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

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

```
name@host.domain
```

where

- `name` is the login name of the person you're trying to reach,
- `host` is the name of the machine on the Internet, and
- `domain` is the higher-level scope within which the hostname is known, e.g. EDU (for educational institutions), COM (for commercial entities), GOV (for governmental agencies), ARPA for many other things, BITNET or CSNET for those networks.

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:

```
host!name
```

where, again,

- `host` is the name of the machine and
- `name` is the login name.

If your message must go through an intermediary machine first, you must use the syntax:

```
intermediary!host!name
```

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 (i.e., one for which a `/` would not usually
be needed) you can precede the name with `./`
So, to send mail to the file
.q memo
in the current directory, you can give the command:
\(l
% Mail ./memo
\)l
If the name begins with a `+`, it is expanded into the full path name
of the folder name in your folder directory.
This ability to send mail to files can be used for a variety of
purposes, such as maintaining a journal and keeping a record of
mail sent to a certain group of users. The second example can be
done automatically by including the full pathname of the record
file in the
.b alias
command for the group. Using our previous
.b alias
type example, you might give the command:
.).
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" .
-PP
It is sometimes useful to send mail directly to a program, for
example one might write a project billboard program and want to access
it using
.i Mail .
To send messages to the billboard program, one can send mail
to the special name `|billboard' for example.
.i Mail
treats recipient names that begin with a `|' as a program to send
the mail to. An
.b alias
can be set up to reference a `|' prefaced name if desired.
.i Caveats :
the shell treats `|' specially, so it must be quoted on the command
line. Also, the `| program' must be presented as a single argument to
mail. The safest course is to surround the entire name with double
quotes. This also applies to usage in the
.b alias
command. For example, if we wanted to alias `rmgs' to `rmgs \-s'
we would need to say:
.).
alias rmgs ".| rmgs -s"
.)

1.209 mdadm 4.1~rc1 3~ubuntu18.04.4

1.209.1 Available under license :
This package was debianized by Mario Jou/3en <joussen@debian.org> on
Wed, 26 Dec 2001 17:07:09 +0100.
Martin F. Krafft <madduck@debian.org> took over on
Tue, 16 May 2006 13:21:06 -0500
The mdadm source was downloaded from
http://www.kernel.org/pub/linux/utils/raid/mdadm/

Upstream Author: Neil Brown <neilb@suse.de>

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1.210 ssh-import-id 5.7 0ubuntu1.1

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# Contributions to the urllib3 project

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* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration
* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition
* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation
* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

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

* 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.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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1.217 kr-fs 0.1.0

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1.218 base-passwd 3.5.44

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Maintainer: Colin Watson <cjwatson@debian.org>

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1.230 x-sys 0.0.0-20210611083646-a4fc73990273

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

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles
  *
  * A collection of File Manager and related routines
  *
  * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
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* Basic encoding and decoding of Macintosh files to the
* MacBinary III spec.
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* This source is copyrighted by Christopher Evans (cevans@poppybank.com)
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* homepage of Leonard Rosenthal  leonardr@netcom.com)

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

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

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

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-----

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* from Steve P. Miller.

-----

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

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

1.238 curl 7.58.0-2ubuntu3.18
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1.239 ucf 3.0038

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1.240 lsof 4.89+dfsg-0.1

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

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1.246 ssl-cert 1.0.39

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1.250 libsepol 2.7-1ubuntu0.1

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1.251 python-cffi 1.11.5-1

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1.252 openssh 7.6p1 4ubuntu0.3

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 */

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

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif /* !_COMPAT_POLL_H_ */

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

if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif /* !_COMPAT_POLL_H_ */

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

typedef unsigned int nfds_t;

#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLPRI
#define POLLWRBAND 0x0100

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020

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

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

 ifndef HAVE_SETRESGID

#setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
#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) (_W_INT(w) & 0377)
#define WTERMSIG(w) (_W_INT(w) & 0177)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) (_W_INT(w) & WCOREFLAG)
#endif

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

1.253 properties 1.8.5

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1.254 roaring 0.9.2

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1.259 zap 1.18.1

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1.266 csv 1.0.0

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1.267 bzip2 1.0.6 8.1ubuntu0.2

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

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1.268 golang-protobuf-extensions 1.0.1
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*
* <p>Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
*
* @author Stephane Nicoll
* @since 4.1
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* /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/cache/interceptor/CacheAspectSupport.java
* /opt/cola/permits/1137148469_1614022957.4/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/support/PeriodicTrigger.java
* /opt/cola/permits/1137148469_1614022957.4/spring-context-5-0-2-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncResult.java
* /opt/cola/permits/1137148469_1614022957.4/spring-context-5-0-2-release-sources-2-jar/org/springframework/validation/DataBinder.java
* /opt/cola/permits/1137148469_1614022957.4/spring-context-5-0-2-release-sources-2-jar/org/springframework/format/datetime/joda/DateTimeFormatterFactory.java
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* /opt/cola/permits/1137148469_1614022957.4/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/websphere/WebSphereClassLoaderAdapter.java
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* /opt/cola/permits/1137148469_1614022957.4/spring-context-5-0-2-release-sources-2-jar/org/springframework/instrument/classloading/websphere/WebSphereClassLoaderAdapter.java
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* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/context/ApplicationContextInitializer.java
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 */
/**
 * @link FactoryBean that obtains a WebSphere \{@link javax.management.MBeanServer\}
 * reference through WebSphere's proprietary \{@code AdminServiceFactory\} API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the \{@code MBeanServer\} for bean references.
 * This FactoryBean is a direct alternative to \{@link MBeanServerFactoryBean\},
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * <p>See the javadocs for WebSphere's
 * and &lt;a href="http://bit.ly/TRlX2r">\{@code MBeanFactory\}&lt;/a&gt;,
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

Found in path(s):
* /opt/cola/permits/1137148469_1614022957.4/0/spring-context-5-0-2-release-sources-2-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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* Indicates that a component is only eligible for registration when all
* { [@linkplain #value specified conditions] match.
*  
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see { @link Condition} for details).
*  
* <p>The { [@code @Conditional]} annotation may be used in any of the following ways:
*  
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
*   { [@link Configuration @Configuration]} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
*   annotations</li>
* <li>as a method-level annotation on any { @link Bean @Bean} method</li>
* </ul>
*  
* <p>If a { @code @Configuration} class is marked with { @code @Conditional},
* all of the { [@code @Bean]} methods, { @link Import @Import} annotations, and
* { @link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*  
* <p><strong>NOTE</strong>: Inheritance of { [@code @Conditional]} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* { [@code @Conditional]} itself is not declared as
* { [@link java.lang.annotation.Inherited @Inherited]]; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* { [@code @Conditional]} must not be declared as { [@code @Inherited]}.
*  
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
* /

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. The `-mdoc' macro set, using the BSD license.
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tmac/e.tmac
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doc/meintro.me
doc/meintro_fr.me
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Hyphenation Patterns
---------------------

. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of
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at

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

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. The file `tmac/hyphen.fr' contains the same patterns as the file
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from various sources on the Internet, and I'd also like to thank Oliver
Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing
much useful data on the various religious calendars. I have edited the
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1.279 ruby-test-unit 3.2.5 1
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';

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# Appendix A Copying and indices

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Up: [a href="#Top"]

Contents: [a href="#Table-of-contents"]

Index: [a href="#Index"]

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Appendix A Copying and indices

Footnotes

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1.290 okhttp 3.12.6

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  jar/okhttp3/internal/connection/RouteSelector.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/Dns.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/proxy/NullProxySelector.java
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  jar/okhttp3/internal/connection/ConnectInterceptor.java
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  jar/okhttp3/internal/cache/CacheInterceptor.java
  */opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-
  jar/okhttp3/internal/connection/RealConnection.java
  */opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-
  jar/okhttp3/internal/tls/OkHostnameVerifier.java
  */opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-
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  jar/okhttp3/internal/platform/OptionalMethod.java
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  jar/okhttp3/internal/http/BridgeInterceptor.java
  */opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-
  jar/okhttp3/internal/tls/DistinguishedNameParser.java

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* /opt/cola/permits/1131046724_1612892586.33/0(okhttp-3-12-6-sources-2-jar/okhttp3/CookieJar.java
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jar/okhttp3/internal/platform/Jdk9Platform.java
* /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/http/UnrepeatableRequestBody.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/HttpHeaders.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http1/Http1Codec.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http/HttpCodec.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/util/Util.java
* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/HttpCodec.java
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* /opt/cola/permits/1131046724_1612892586.33/0/okhttp-3-12-6-sources-2-jar/okhttp3/internal/http2/HttpCodec.java
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distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

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

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

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

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

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

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If such an object file uses only numerical parameters, data
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file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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a) Accompany the work with the complete corresponding
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b) Use a suitable shared library mechanism for linking with the
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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
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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
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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
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which the executable runs, unless that component itself accompanies
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>>> unicode-5.0

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1.306 go-toml 1.9.2
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1.308 d-bus 1.12.2 1ubuntu1.2

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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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* httpd@ncsa.uiuc.edu
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1.343 libapache2-mod-authnz-external 3.3.2-0.1

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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, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Fry singer, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, YOSHIFUJI
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Pele Jorge, Joel
Juhani, Timo
KIKUCHI, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Ferreira, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frdric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznav, Tomislav
Marchal, Frdric
Margeviuas, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Qun, Trn Ngc
Regueiro, Leandro
Sarer, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fbio
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wyler

1.348 ruby2.5 2.5.1-1ubuntu1.9

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enc/koi8_u.c
enc/shift_jis.c
enc/unicode.c
enc/us_ascii.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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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:
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missing/strlcat.c
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AUTHOR: Antoon Bosselaers, ESAT-COSIC  
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DATE: 1 March 1996

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ext/nkf/nkf-utf8/nkf.c:
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1. 

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(a)
The following list might be incomplete. Feel free to add your name if your patch was accepted into Ruby.

== A

Ayumu AIZAWA (ayumin)
* committer
AKIYOSHI, Masamichi (akiyoshi)
* committer
* He had maintained the VMS support on 2003-2004.

Muhammad Ali
* wrote rdoc for Fiber

Minero Aoki (aamine)
* committer
* He is the maintainer of:
  * fileutils
  * net/http, net/https
  * net/pop
  * net/smtp
  * rac
  * ripper
  * strscan

Wakou Aoyama (wakou)
* committer
* He was the maintainer of some standard libraries.

Koji Arai
* committer

arton
* He is the distributor of ActiveScriptRuby and experimental 1.9.0-x installers for win32.
* Wrote patches for win32ole, gc.c, tmpdir.rb

Sergey Avseyev
* Added IO#pread and IO#pwrite.

== B

Daniel Berger
* a patch for irb
* documentation
* He wrote forwardable.rb

David Black (dblack)
* committer
* He is the maintainer of scanf

Ken Bloom
* a patch for REXML.

Oliver M. Bolzer
* a patch for soap
Alexey Borzenkov
* a patch for mkmf.rb

Evan Brodie
* a patch for documentation of Float#round

Richard Brown
* a patch for configure.in

Dirkjan Bussink
* a patch for date.rb

Daniel Bovensiepen
* documentation
* a patch for irb

== C

Brian Candler
* a patch for configure.in, net/telnet

keith cascio
* a patch for optparse.rb

Frederick Cheung
* a patch for test/ruby/test_symbol.rb

Christoph
* patches for set.rb

Sean Chittenden
* patches for net/http, cgi

William D. Clinger
* ruby_strtod is based on his paper.

== D

Ryan Davis (ryan)
* committer
* He wrote and is the maintainer of miniunit

Guy Decoux (ts)
* committer

Zach Dennis
Martin Duerst (duerst)
* committer
* M17N

Paul Duncan
* patches for rdoc

Alexander Dymo
* a patch for lib/benchmark.rb

Yusuke Endoh (mame)
* committer
* He wrote and is the maintainer of base64 library (1.9)
* did much upon YARV compiler.

erlercw
* wrote Integer::gcd2

Frank S. Fejes
* a patch for net/pop

Fundakowski Feldman
* a patch for process.c

Mauricio Fernandez
* patches for parse.y

David Flanagan (davidflanagan)
* committer
* M17N

Takeyuki Fujioka (xibbar)
* committer
* He is the maintainer of cgi/*

FUKUMOTO, Atsushi
* a patch for tracer.rb

Shota Fukumori (sorah)
* committer
* #4415 parallel unit/test

Tadayoshi Funaba (tafd)
* committer
* He wrote and is the maintainer of
  * date
  * parsedate (1.8)
* He ported rational.rb and complex.rb, which 1.8 contains, into rational.c and complex.c of 1.9.

== G

David M. Gay
* ruby_strtod

Florian Gilcher
* documentation

GOTOU, Kentaro (gotoken)
* committer
* He wrote benchmark.rb
* He is the maintainer of:
  * benchmark.rb
  * open3

GOTOU, Yuuzou (gotoyuzo)
* committer

James Edward Gray II (jeg2)
* committer
* He wrote the faster implementation of CSV and is the maintainer of csv.
* Wrote documentation for rdoc

== H

Phil Hagelberg
* patch for ruby-mode.el's documentation.

Kirk Haines (wyhaines)
* committer
* the maintainer of ruby_1_8_6 branch

Shinichiro Hamaji
* fixed memory leaks (marshal.c, string.c)

Shin-ichiro HARA
* the developer and the sysop of ruby-{dev,list,core,talk} archive.
* a patch for numeric.c

Chris Heath (traumdeutung)
* a patch for proc.c

HIROKAWA Hisashi
* fixed socket/socket.c

Daniel Hob
* He wrote:
  * SMTP-TLS support for net/smtp.
  * POP3S support

Eric Hodel (drbrain)
* committer
* He is the maintainer of:
  * rdoc
  * ri
  * rubygems

Erik Hollensbe
* a patch for delegate.rb

Johan Holmberg
* a patch for dir.c
* documentation

Erik Huelsmann

Dae San Hwang
* built a continuous integration environment on OpenSolaris.

== I

Nobuhiro IMAI
* a patch for logger.rb

"incorporate"
* a patch for sprintf.c

Keiju Ishitsuka (keiju)
* committer
* He wrote and is the maintainer of:
  * cmath.rb (1.9)
  * complex.rb (1.8)
  * e2mmmap.rb
  * forwardable.rb
  * irb
  * mathn
  * matrix.rb
  * mutex_m.rb
  * rational.rb (1.8)
  * sync.rb
  * shell/*
* thwait.rb
* tracer.rb

== J

Curtis Jackson
* missing/dup2.c

Alan Johnson
* a patch for net/ftp

Lyle Johnson
* patches for nkf, bigdecimal, numeric.c

== K

Yoshihiro Kambayashi
* a patch for enc/trans/single_byte.trans.
* He wrote supports for some encodings.

Yutaka Kanemoto
* patches for common.mk, AIX AF_INET6 support

Motoyuki Kasahara
* He wrote getoptlong.rb

Masahiro Kawato
* a patch for shellwords.rb

Wataru Kimura
* a patch for configure.in

Michael Klishin
* patch for make help.

Noritada Kobayashi
* a patch for optparse.rb

Shigeo Kobayashi (shigek)
* committer
* He is the maintainer of bigdecimal

KONISHI, Hiromasa (H_Konishi)
* commiter
* He had maintained the bcc32 support in 2004.

Kornelius "murphy" Kalnbach
* documentation
K.Kosako (kosako)
* committer
* He wrote Oniguruma.

Takehiro Kubo
* patches for dl 64bit support.

== L

Marc-Andre Lafortune (marcandre)
* committer
* patches for hash.c, array.c, thread.c, enumc, string.c, range.c and rdoc documentation.

Hongli Lai
* improved pstore.rb
* patch for tool/file2lastrev.rb.

raspberry lemon
* a patch for webrick/httpproxy.rb.

Christian Loew
* a patch for fileutils.rb

== M

Shugo Maeda (shugo)
* committer
* A system administrator of ruby-lang.org servers.
* He wrote and is the maintainer of:
  * monitor.rb
  * net/ftp
  * net/imap

Stephan Maka (mathew)
* documentation

Yukihiro Matsumoto (matz)
* Matz -- the founder, language designer of Ruby.
* committer
* Ruby itself, most of Ruby.
* He is the maintainer of:
  * singleton
  * timeout
  * gdbm
  * sdbm

Konrad Meyer
* documentation

Mib Software
* missing/vsnprintf.c

Todd C. Miller
* missing[strlen].c
* missing[strlencpy].c

MIYASAKA, Masaru
* a patch for cgi.rb

Stefan Monnier
* regex.c was fixed with based on his Emacs21 patch.

Marcel Moolenaar
* patches for eval.c and gc.c.

moonwolf
* a patch for REXML, xmlrpc

Hiroshi Moriyama
* a patch for yaml.

Kyosuke Morohashi
* a patch for gem_prelude.rb

Kenta Murata
* patches for json, bignum.c

Akinori MUSHA (knu)
* committer
* He wrote and is the maintainer of:
  * abbrev.rb
  * generator (1.8)
  * enumerator (1.8)
  * set
  * ipaddr.rb
  * digest/*
  * syslog
* He is the branch maintainer of ruby_1_8, the release manager of 1.8 series.

== N

Hidetoshi NAGAI (nagai)
* committer
* He is the maintainer of tk/*
Nobuyoshi Nakada (nobu)
* committer
* a.k.a. the "patch monster"
* He wrote and is the maintainer of:
  * optparse
  * stringio
  * io/wait
  * iconv

Satoshi Nakagawa
* patches for util.c

Narihiro Nakamura (nari)
* committer
* a.k.a. authorNari
* working at GC

NAKAMURA, Hiroshi (nahi)
* committer
* He is the maintainer of:
  * csv.rb (1.8)
  * logger.rb
  * soap/* (1.8)
  * wsdl/* (1.8)
  * xsd/* (1.8)

NAKAMURA, Usaku (usa)
* committer
* a.k.a. unak
* He is the maintainer of mswin32 and mswin64 support.

NARUSE, Yui (naruse)
* committer
* a.k.a. "nurse"
* Did much upon m17n.
* He is the maintainer of:
  * json
  * nkf

Christian Neukirchen
* a patch for webrick/httputils

Michael Neumann (mneumann)
* committer
* He is the maintainer of
  * xmlrpc (1.8)
  * gserver (1.8)
NISHIO Hirokazu
* wrote a patch for CVE-2010-0541

Kazuhiro NISHIYAMA (kazu)
* committer
* a.k.a. znz

Go Noguchi

Martin Nordholts
* misc/rdebug.el

nmu
* a patch for socket

== O

okkez
* He is a sysop of the Ruby Reference Manual Renewal Project.
* fixed ipaddr.rb, ext/etc

Haruhiko Okumura
* some of missing/* is based on his book:
  * missing/erf.c
  * missing/lgamma_r.c
  * missing/tgamma.c

OMAE, jun
* a patch for debug.rb

Eugene Ossintsev
* documentation

== P

Heesob Park
* a patch for win32/win32.c.

pegacorn
* a patch for instruby.rb

== Q

== R

Gaston Ramos
* documentation
The Regents of the University of California
* missing/crypt.c
* missing/vsnprintf.c

Sam Roberts
* patch for socket
* documentation

Michal Rokos (michal)
* committer
* He was the maintainer of DJGPP support.

rubikitch
* a patch for io.c

Marcus Rueckert
* a patch for mkconfig.rb.

Run Paint Run Run
* patch for enc/unicode.c
* documentation

Sean Russell (ser)
* committer
* He wrote and is the maintainer of REXML.

== S

Kazuo Saito (ksaito)
* committer
* M17N

Tadashi Saito
* patches for test/ruby/test_math.rb, thread_.c, bignum.c
* working upon BigDecimal.
* did much upon documentation

Masahiro Sakai
* a patch for io.c

Laurent Sansonetti
* a patch for tool/ytab.sed

Jeff Saracco
* documentation

Koichi Sasada (ko1)
* committer
* He wrote YARV.

Hugh Sasse
* a patch for net/http
* documentation

Charlie Savage
* a patch for win32/Makefile.sub

Michael Scholz
* a patch for ruby-mode.el

Arthur Schreiber
* patch for net/http and rdoc.

Masatoshi SEKI (seki)
* committer
* He wrote and is the maintainer of:
  * drb/*
  * erb
  * rinda

Roman Shterenzon
* a patch for open-uri.

Kent Sibilev

Gavin Sinclair (gsinclair)
* committer

John W. Small
* He wrote gserver.rb

Yuki Sonoda (yugui)
* committer
* She is the maintainer of man/* manual pages and is the release manager of 1.9 series.
* She wrote prime.rb.
* A developer and a sysop of redmine.ruby-lang.org.

SOUMA, Yutaka
* a patch for pack.c.

Tatsuki Sugiura
* WebDAV support for net/http

Masaki Suketa (suke)
* committer
* He is the maintainer of win32ole
sheepman
* patches for ruby.c, thread.c, stringio, enum.c, webrick, net/http

Siena. (siena)
* committer

Kirill A. Shutemov
* a patch for parse.y

Darren Smith
* a patch for golf_prelude.rb

Richard M. Stallman
* missing/alloca.c

Robin Stocker
* documentation

Joshua Stowers
* a patch for array.c

Marcus Stollsteimer (stomar)
* committer
* a maintainer of www.ruby-lang.org
* patches for cgi (HTML5 tag maker), numeric.c, bigdecimal, ostruct.rb, prime.rb, and others
* documentation

Adam Strzelecki
* a patch for compile.c

Masashi Sumi
* improved net/pop.rb

Eric Sunshine
* NeXT OpenStep, Rhapsody support

Kouhei Sutou (kou)
* committer
* He wrote and is the maintainer of rss/*

David Symonds
* documentation

== T

TAKANO Mitsuhiro (takano32)
* committer
* He is the maintainer of IA-64 support.
* BigDecimal

TAKAO, Kouji (kouji)
* committer
* He is the maintainer of readline.

Nathaniel Talbott (ntalbott)
* committer
* He was the maintainer of test/unit, runit, rubyunit.

TANAKA, Akira (akr)
* committer
* Did much upon m17n.
* And he is the maintainer of:
  * open-uri
  * pathname
  * pp
  * resolv-replace
  * resolv
  * time
  * tsort

Takaaki Tateishi (ttate)
* committer
* He was the maintainer of dl

Technorama Ltd. (technoroma)
* committer
* openssl

Andrew Thompson
* a patch for socket.c IRIX support.

Dave Thomas (dave)
* committer
* a.k.a. the Pragmatic Programmer.
* He wrote rdoc.

Tietew
* patches for win32 support

Masahiro Tomita
* a patch for cgi.rb

Jakub Travnik
* a patch for eval.c
Tom Truscott
* missing/crypt.c

== U

UEDA, Satoshi
* a patch for uri

Takaaki Uematsu (uema2)
* committer
* He was the maintainer of WinCE support.

UENO, Katsuhiro (katsu)
* committer
* He is the maintainer of zlib

Hajimu UMEMOTO
* He wrote ipaddr.rb

URABE, Shyouhei (shyouhei)
* committer
* a.k.a. mput.
* He is the branch maintainer of ruby_1_8_6 and ruby_1_8_7
* and is the release manager of 1.8.x-pXXX.

== V

Joel VanderWerf
* a patch for numeric.c

Peter Vanbroekhoven

Corinna Vinschen

== W

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

Chun Wang
* a patch for time.rb

WATANABE, Hirofumi (eban)
* committer
* He is the maintainer of
* fools (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
* a patch for io.c
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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1.351 io-console 0.4.6

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1.363 gopsutil 2.20.6+incompatible

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1.367 pkg-sftp 1.13.1

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1.368 dnsmasq 2.79-1ubuntu0.3

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its purpose remains meaningful.

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1.373 apache-log4j 2.17.1

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1.374 afero 1.5.1

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1.375 strscan 1.0.0

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1.376 zlib 1.2.3

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

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

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

*/

/* match.s -- Pentium-optimized version of longest_match()
* Written for zlib 1.1.2
* Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>
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*/

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1.378 json-c 0.99.8-2

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

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

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$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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1.386 shadow 4.5 1ubuntu2

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### 1.387 python 3.6.7-1~18.04

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

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

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

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

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

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

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Mersenne Twister
-------------

The :mod:`_random` module includes code based on a download from 
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the verbatim comments from the original code:

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

Before using, initialize the state by using init_genrand(seed) 
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Sockets
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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
---------------------------

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test_epoll
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--------

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Original location:
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djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa

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

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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-------

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1.396 libdumbnet 1.12-7build1

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1.397 audit 2.8.2-1ubuntu1.1

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1.398 libjpeg 6b

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The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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

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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 "djpeg", which use the library to
perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

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

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

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

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

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

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

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

in existence, and we highly recommend it.

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

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

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

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Milpitas, CA 95035
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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

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.

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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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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.

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1.399 mtr 0.92 1

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1.404 python3-asn1crypto 0.24.0

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1.411 glibc 2.27-3ubuntu1.5

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1.413 zlib 1.2.11

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1.420 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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<signature of Ty Coon>, 1 April 1989
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1.427 capnslog 0.0.0-20180928190104-399ea9e2e55f
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1.428 netifaces 0.10.4

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Metadata-Version: 1.1
Name: netifaces
Version: 0.10.4
Summary: Portable network interface information.
Home-page: https://bitbucket.org/al45tair/netifaces
Author: Alastair Houghton
Author-email: alastair@alastairs-place.net
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Description: netifaces 0.10.4

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

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

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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')
```

```python
```

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

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

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```

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::

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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]
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```

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

```python
```
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: [17], 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.

>>> 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:

>>> 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
g>>> addrs = netifaces.ifaddresses('en0')
g>>> 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
g>>> 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
g>>> addrs = netifaces.ifaddresses('fw0')
g>>> 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:
>>> 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

>>> 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 operating system we're talking about), and so I expect there's at least one 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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* /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
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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
1. What is this?

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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).

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18
```

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

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```

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*.

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more complete list of changes.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/README.rst

---

1.439 elfutils 0.170-0.4ubuntu0.1

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1.441 etc 1.0.0

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1.442 fonts-dejavu 2.37-1

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1.443 python-jsonpointer 1.10-1

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

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

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

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

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University of Illinois at Urbana-Champaign
605 E. Springfield, Champaign, IL 61820
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******************************************************************************

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

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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@jhellos.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@ISIEdu

Nathan Kurz, nate@tripod.com
Rewrite/reorganization. New handling of default, base and relative URLs.
New Configuration directives:

| ImapMenu   | none, formatted, semiformalled, 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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For compliance with Mr Darwin's terms: this has been very significantly modified from the free "file" command.
- all-in-one file for compilation convenience when moving from one version of Apache to the next.
- Memory allocation is done through the Apache API's apr_pool_t structure.
- All functions have had necessary Apache API request or server structures passed to them where necessary to call other Apache API routines. (i.e. usually for logging, files, or memory allocation in itself or a called function.)
- struct magic has been converted from an array to a single-ended linked list because it only grows one record at a time, it's only accessed sequentially, and the Apache API has no equivalent of realloc().
- Functions have been changed to get their parameters from the server configuration instead of globals. (It should be reentrant now but has not been tested in a threaded environment.)
- Places where it used to print results to stdout now saves them in a list where they're used to set the MIME type in the Apache request record.
- Command-line flags have been removed since they will never be used here.

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

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

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

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 * Written by Adam Twiss (adam@zeus.co.uk). March 1996
 *
 * Thanks to the following people for their input:
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 * Michael Campanella (campanella@stevms.enet.dec.com)
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```

1.473 jinja2 2.10-1.ph3
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1.474 fdisk 2.31.1

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support/man2html.c

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1.485 ufw 0.36 0ubuntu0.18.04.1

1.486 gotenv 1.2.0

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1.491 python 2.7.17-1~18.04ubuntu1.7

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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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(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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* Cordys R&D BV  

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1.504 go-toml 1.9.3

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

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1.505 libxext 1.3.3-1

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1.506 ncurses 6.1-1ubuntu1.18.04

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-- vile: filetype=script encoding=utf-8
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<vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources
Current versions of the ncurses sources are found at
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It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
David Engel <david@elo.ods.com>, Michael Alan Dorman
<mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup
<jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray)
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1.507 lua 5.2.4-1.1build1

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1.516 tmux 2.6-3ubuntu0.2

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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.

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CONTENTS:

This folder contains 18 font files in OpenType TT (.ttf) format. You can install these fonts on your computer and use in any desktop applications (such as Word, InDesign, Illustrator, Photoshop, Keynote or Pages).

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REVISION LOG:

# Version 2.007 (2014-02-27)
Greatly expanded character set, revised metrics, four additional weights.

# Version 1.104 (2011-11-08)
Merged the distribution again
Autohinted with updated ttfautohint 0.4 (which no longer causes Adobe and iOS problems) except the Hai and Lig weights which are hinted in FLS 5.1.

# Version 1.102 (2011-10-28)
Added OpenType Layout features
Ssplit between desktop and web versions
Desktop version: all weights autohinted with FontLab Studio
Web version autohinted with ttfautohint 0.4 except the Hai and Lig weights

# Version 1.101 (2011-09-30)
Fixed OS/2 table Unicode and codepage entries

# Version 1.1.00 (2011-09-12)
Added Polish diacritics to the character set
Weights Hai and Lig autohinned with FontLab Studio
Other weights autohinned with ttfautohint 0.3

# Version 1.0.11 (2010-12-29)
Added the soft hyphen glyph

# Version 1.0.10 (2010-12-13)
Initial version released under SIL Open Font License
Western character set

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* /opt/cola/permits/1137147948_1614022892.23/0/fonts-lato-2-0-orig-2-tar-xz/fonts-lato-2.0/README.txt

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@end enumerate

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@page

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

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

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**1.531 x-sys 0.0.0-20210630005230-0f9fa26af87c**

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1.532 cron 3.0pl1 128.1ubuntu1

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/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.c
/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.h
/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/env.c
/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/job.c
/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/database.c
/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.c
/.../cron-3.0pl1-orig-tar-gz/cron-3.0pl1.orig/config.h
/.../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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* /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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" Bitstring.3 5.1 (Berkeley) 12/13/89
"

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 */
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:
make all

su and say:
make install

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

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

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

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

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

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

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no `&' is needed since the daemon forks itself and the process you executed returns immediately.

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

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  * /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/Makefile
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> $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $

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* /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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# 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-tarbz2/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-tarbz2/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-tarbz2/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-3.7.5/3.7/Lib/lib2to3/parse.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/pgen2/pgen.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/pgen2/literals.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/pgen2/conv.py
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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/pgen2/pgen.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/distutils/dist.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/distutils/dist.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/distutils/dist.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/distutils/dist.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/distutils/dist.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/distutils/dist.py
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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/distutils/dist.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/distutils/dist.py

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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/apps/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_wininst.py
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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/apps/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/spawn.py

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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/apps/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/driver.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/apps/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/driver.py

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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/apps/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/spawn.py
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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/fixes/fix_print.py
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@version 3.0 (December 2000)

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

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1.548 libusb 1.0.21-2

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1.559 cpp 8.4.0 1ubuntu1~18.04

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1.574 envtpl 0.6.0

1.574.1 Available under license:

envtpl - jinja2 template rendering with shell environment variables

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1.591 google-uuid 1.1.2

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AC_DEFUN([gl_CANONICALIZE_LGPL],
[
  dnl Do this replacement check manually because the file name is shorter
  dnl than the function name.
  AC_CHECK_DECLS_ONCE(canonicalize_file_name)
  AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
  if test $ac_cv_func_canonicalize_file_name = no; then
    AC_LIBOBJ(canonicalize-lgpl)
    AC_DEFINE([realpath], [rpl_realpath],
      [Define to a replacement function name for realpath().])
    gl_PREREQ_CANONICALIZE_LGPL
  fi
])

# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
  AC_CHECK_DECLS_ONCE(canonicalize_file_name)
  AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
  gl_PREREQ_CANONICALIZE_LGPL
])

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

1.596 spdylay 1.30.0 1ubuntu1
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1.602 python-meld3 1.0.2-2
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Contributors

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io.fabric8.kubernetes.client.SchedulingAPIGroupExtensionAdapter

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b) Use a suitable shared library mechanism for linking with the
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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_ntop.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 test/CuTest.c, test/CuTest.h:

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The following was received February 23, 2000 From: "Linn, John" February 19, 2000

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The of the start-stop-daemon

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

1.612 glibc 2.27-3ubuntu1.4
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1.618 xdelta 3.0.11-dfsg-1ubuntu1

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1.619 command-not-found 18.04.5
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It was downloaded via bzr from https://code.launchpad.net/~zkrynicki/command-not-found/main

The ubuntu source is at:
https://code.edge.launchpad.net/~ubuntu-core-dev/command-not-found/ubuntu

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1.620 pyyaml 3.12-1build2
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1.621 pciutils 3.5.2 1ubuntu1.1
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Upstream Author: Martin Mares <mj@ucw.cz>

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1.622 requests 2.18.4
1.622.1 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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1. Read our [Contributor's Guide](http://docs.python-requests.org/en/latest/dev/contributing/).
```
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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?
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[run]

```python
import requests
```

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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).

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

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

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

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

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

  - PYTHON: "C:\Python36-x64"
    PYTHON_VERSION: "3.6.x"
    PYTHON_ARCH: "64"
    TOXENV: "py36"

install:
  # Install Python (from the official .msi of http://python.org) and pip when not already installed.
  # ps: if (~not(Test-Path($env:PYTHON))) { &_appveyor\install.ps1 }

  # Prepend newly installed Python to the PATH of this build (this cannot be done from inside the powershell script as it would require to restart


# the parent CMD process).
- "SET PATH=%PYTHON%;%PYTHON%\Scripts;%PATH%"

# Check that we have the expected version and architecture for Python
- "python --version"
- "python -c "import struct; print(struct.calcsize('P') * 8)""

# Upgrade to the latest version of pip to avoid it displaying warnings
# about it being out of date.
- "pip install --disable-pip-version-check --user --upgrade pip"
- "C:\MinGW\bin\mingw32-make"

test_script:
- "C:\MinGW\bin\mingw32-make coverage"

on_success:
- "codecov -f coverage.xml"

1.623 mitchellh-mapstructure 1.4.1

1.623.1 Available under license:

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1.624 jdk-zulu 8.62.0.19
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lib/gssapi/mechglue/g_acquire_cred.c
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lib/gssapi/mechglue/g_context_time.c
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lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
and the initial implementation of incremental propagation, including the following new or changed files:

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

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1.627 go.uber.org/atomi 1.8.0

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1.628 networkd-dispatcher 1.7 0ubuntu3.3

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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
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