Open Source Used In FXOS-RM 2.12.0

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1.2 crs-log 0.6.0

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# Jackson JSON processor

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

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// Original can be found at:
// https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Krhonos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])

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# spdx-license-ids


A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation
npm install spdx-license-ids

## Node.js API

### require('spdx-license-ids')

Type: `\<Array\<string\>>`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', ...

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `\<Array\<string\>>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
```
```

```

```
```
warningAboutLicenseRef
);
```javascript
if (license != null)
    assert.deepEqual(license, 
    { 
        valid: true,
        inFile: license
    });

assert.deepEqual( 
    valid('SEE LICENSE IN LICENSE.txt'),
    { 
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'LICENSE.txt'
    });

assert.deepEqual( 
    valid('SEE LICENSE IN license.md'),
    { 
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'license.md'
    });
``` javascript

If there aren't any licensing terms, use `UNLICENSED`:
```javascript
var unlicensed = {
    validForNewPackages: true,
    validForOldPackages: true,
    unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
``` javascript

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Coverage.py was originally written by Gareth Rees, and since 2004 has been extended and maintained by Ned Batchelder.

Other contributions, including writing code, updating docs, and submitting useful bug reports, have been made by:

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Alex Gaynor
Alex Groce
Alexander Todorov
Andrew Hoos
Anthony Sottile
Arcadiy Ivanov
Aron Griffis
Artem Dayneko
Ben Finney
Bill Hart
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Danek Duvall
Danny Allen
David Christian
David Maclver
David Stanek
Detlev Offenbach
Devin Jeanpierre
Dirk Thomas
Dmitry Shishov
Dmitry Trofimov
Eduardo Schettino
Emil Madsen
Edward Loper
Geoff Bache
Titus Brown
Ville Skytt
Yury Selivanov
Zac Hatfield-Dodds
Zooko Wilcox-O'Hearn

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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,-Bs symbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

%.$(STATIC_O): $(srcdir)/%.cpp
## Dependency rules

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

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

## Versioned libraries rules

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

## Bind internal references

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

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

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

## End BSD-specific setup

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/* */
/* More information about curve25519 can be found here */
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* djb's sample implementation of curve25519 is written in a special assembly
* language called qasm and uses the floating point registers.
*
* This is, almost, a clean room reimplementation from the curve25519 paper. It
* uses many of the tricks described therein. Only the crecip function is taken
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1.15 pigz 2.4

1.15.1 Available under license:

Mark Adler
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1.16 pip 18.0

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

/*
 * hmac.c is derived from:

 Network Working Group  H. Krawczyk
 Request for Comments: 2104  IBM
 Category: Informational  M. Bellare
    UCSD
    R. Canetti
    IBM
    February 1997

 HMAC: Keyed-Hashing for Message Authentication

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 Appendix -- Sample Code

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

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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

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

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of
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For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
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normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
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1.22 libseccomp 2.3.3

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.32 urllib3 1.24.1

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# Contributions to the urllib3 project

## Creator & Maintainer

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

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

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

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

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

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQb6/>
  * Code review, PEP8 compliance, benchmark fix

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

* georgemarshall <https://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 <slingamm@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 <https://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 <https://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 <https://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.

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

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

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* 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 vending

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

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

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

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

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

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

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

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add ``HTTPResponse.geturl`` method to provide ``urlib2.urlopen().geturl()`` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings
* Justin Bramley <https://github.com/jbramleycl>
* Add ability to handle multiple Content-Encodings

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

1.33 crs-shared 0.6.0

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# Jackson JSON processor

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

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

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Blttermann, Mario
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Koir, Klemen
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The following people designed the artwork used on the sudo website:

- Shield logo: Badger, Trent
- Sandwich logo: Stillman, Mark

1.41 zlib 1.2.11

1.41.1 Available under license:

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

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1.42 groff 1.22.3
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AUTHOR
------
Peter Schaffter (peter@schaffter.ca)
3-355 Lafontaine Ave
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src/preproc/grn/hdb.cpp
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src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

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src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
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The file `tmac/hyphen.fr' contains the same patterns as the file 'frhyph.tex' (for TeX), which can be found at

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

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

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1.49 e2fsprogs 1.44.3
1.49.1 Available under license:

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

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip:: install-shlibs

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

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

This 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
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written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version

 - trivial database library - private includes
 -
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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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1.55 efivar 0.36

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1.57 dosfs-tools 4.1

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# Please keep the list sorted.

Aamir Khan <syst3m.w0rm@gmail.com>
Aaron Beitch <aaronb@arista.com>
Aaron Bieber <deftly@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Jensen <jensen.aaro@gmail.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Patterson <tenderlove@ruby-lang.org>
Aaron Sheah <aaronsheah@gmail.com>
Aaron Stein <aaronstein12@gmail.com>
Aaron Torres <tcboox@gmail.com>
Aaron Zinman <aaron@azinman.com>
Aarti Parikh <aarti.parikh@gmail.com>
Abdullah Al Maruf <mymail.maruf@gmail.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
Adam Harvey <aharvey@php.net>
Balaram Makam <bmakam.qdt@qualcommdatacenter.com>
Balazs Lecz <leczb@google.com>
Baokun Lee <nototon@gmail.com> <bk@golangcn.org>
Barnaby Keene <accounts@southcla.ws>
Bartosz Grzybowski <melkorm@gmail.com>
Bartosz Oler <brtsz@google.com>
Bassam Ojeil <bojeil@google.com>
Bastian Ike <bastian.ike@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Cartwright-Cox <Ben@Benjojo.co.uk>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Hoyt <benhoyt@gmail.com>
Ben Hutchings <ben.hutchings@essensium.com>
Ben Kraft <benkraft@khanacademy.org>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
Ben Schwartz <bemasc@google.com>
Ben Shi <powerman1st@163.com>
Ben Toews <mastahyeti@gmail.com>
Benjamin Barenblat <bbaren@gmail.com>
Benjamin Black <b@b3k.us>
Benjamin Cable <cable.benjamin@gmail.com>
Benjamin Hsieh <tanookiben@users.noreply.github.com>
Benjamin Peterson <benjamin@python.org>
Benjamin Prosnitz <bprosnitz@google.com>
Benjamin Wester <bwester@squareup.com>
Benjamin Wuethrich <benjamin.wuethrich@gmail.com>
Benny Siegert <hsiegert@gmail.com>
Benoit Sigoure <tsunanet@gmail.com>
Berengar Lehr <Berengar.Lehr@gmx.de>
Berkant Ipek <41230766+0xbkt@users.noreply.github.com>
Bharath Thiruveedula <bharath91@gmail.com>
Bhavin Gandhi <bhavin7392@gmail.com>
Bill Neubauer <wcn@golang.org> <wcn@google.com> <bill.neubauer@gmail.com>
Bill O'Farrell <billo@ca.ibm.com>
Bill Prin <waprin@gmail.com>
Bill Thiede <couchmoney@gmail.com>
Bill Zissimopoulos <billziss@navimatics.com>
Billie Harold Cleek <bhcleek@gmail.com>
Billy Lynch <wlynch@gmail.com>
Billy Zaelani Malik <m.billyzaelani@gmail.com>
Bjrn Erik Pedersen <bjorn.erik.pedersen@gmail.com>
Bjorn Tillenius <bjorn@tillenius.me>
Bjorn Tipling <bjorn.tipling@gmail.com>

Open Source Used In FXOS-RM 2.12.0 662
Bryan Alexander <Kozical@msn.com>
Bryan Boreham <bjboreham@gmail.com>
Bryan C. Mills <bcmills@google.com>
Bryan Chan <bryan.chan@ca.ibm.com>
Bryan Ford <brynosaurus@gmail.com>
Bryan Heden <b.heden@gmail.com>
Bulat Gaifullin <gaifullinbf@gmail.com>
Burak Guven <bguven@gmail.com>
Caine Tighe <arctanofyourface@gmail.com>
Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>
Caleb Martinez <accounts@calebmartinez.com>
Caleb Spare <cespare@gmail.com>
Carl Chatfield <carlchatfield@gmail.com>
Carl Henrik Lunde <chlunde@ifi.uio.no>
Carl Jackson <carl@stripe.com>
Carl Johnson <me@carlmjohnson.net>
Carl Mastrangelo <notcarl@gmail.com>
Carl Menezes <carleeto@gmail.com>
Carl Shapiro <cshapiro@golang.org> <cshapiro@google.com>
Carlsia Campos <carlsia@grokkingtech.io>
Carlo Alberto Ferraris <cafxx@strayorange.com>
Carlos Alexandre Becker <caarlos0@gmail.com>
Carlos Amedee <carlos@golang.org>
Carlos Castillo <cookieo9@gmail.com>
Carlos Cirello <uldericofilho@gmail.com>
Carlos Eduardo <me@carlosedp.com>
Carlos Eduardo Seo <cseo@linux.vnet.ibm.com>
Carlos Iriarte <ciriarte@gmail.com>
Carlos Souza <carloshrousza@gmail.com>
Carolyn Van Slyck <me@carolynvanslyck.com>
Carrie Bynon <cbynon@gmail.com>
Carson Hoffman <c@rsonhoffman.com>
Cary Hull <chull@google.com>
Case Nelson <case.nelson@gmail.com>
Casey Callendrello <squeed@gmail.com>
Casey Marshall <casey.marshall@gmail.com>
Catalin Nicutar <cnicutar@google.com>
Catalin Patulea <catalinp@google.com>
Cathal O'Callaghan <cathalsocallaghan@gmail.com>
Cedric Staub <cs@squareup.com>
Cezar S Espinola <cezarsa@gmail.com>
Chad Rosier <mrosier.qdt@qualcommmdatcenter.com>
ChaiShushan <chaishushan@gmail.com>
Changkun Ou <hi@changkun.us>
Channing Kimble-Brown <channing@golang.org>
Chao Xu <xuchao@gmail.com>
Charles Fenwick Elliott <Charles@FenwickElliott.io>
Charles Kenney <charlesc.kenney@gmail.com>
Open Source Used In FXOS-RM 2.12.0

Darshan Parajuli <parajulidarshan@gmail.com>
Datong Sun <dndx@idndx.com>
Dave Borowitz <dborowitz@google.com>
Dave Bort <dbort@golang.org>
Dave Cheney <dave@cheney.net>
Dave Day <djd@golang.org>
Dave Grijalva <dgrijalva@ngmoco.com>
Dave MacFarlane <driusan@gmail.com>
Dave Pifke <dave@pifke.org>
Dave Russell <forfuncsake@gmail.com>
David Anderson <danderson@google.com>
David Barnett <dbarnett@google.com>
David Benjamin <davidben@google.com>
David Black <dblack@atlassian.com>
David Bond <davidsbond93@gmail.com>
David Brophy <dave@brophy.uk>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
David Carter <fresco.raja@gmail.com>
David Chase <drchase@gmail.com>
David Covert <davidhcovert@gmail.com>
David Crawshaw <david.crawshaw@zentus.com> <crawshaw@google.com> <crawshaw@golang.org>
David du Colombier <0intro@gmail.com>
David Finkel <david.finkel@gmail.com>
David Forsythe <dforsythe@gmail.com>
David G. Andersen <dave.andersen@gmail.com>
David Glasser <glasser@meteor.com>
David Golden <david@autopragmatic.com>
David Heuschmann <heuschmann.d@gmail.com>
David Howden <dhowden@gmail.com>
David Hubbard <dsp.google.com>
David Jakob Fritz <david.jakob.fritz@gmail.com>
David Jones <dxjones@gmail.com>
David Lazar <lazard@golang.org>
David Leon Gil <coruus@gmail.com>
David McLeish <davemc@gmail.com>
David Ndungu <dnjuguna@gmail.com>
David NewHamlet <david@newhamlet.com>
David Presotto <presotto@gmail.com>
David Qu <davidqu12345@gmail.com>
David R. Jenni <david.r.jenni@gmail.com>
David Sansome <me@davidsansome.com>
David Stainton <dstainton415@gmail.com>
David Symonds <dSYMonds@golang.org>
David Thomas <davidthomas426@gmail.com>
David Timm <dtimm@pivotal.io>
David Titarenco <david.titarenco@gmail.com>
Open Source Used In FXOS-RM 2.12.0

David Tolpin <david.tolpin@gmail.com>
David Url <david@urld.io>
David Volquartz Lebech <david@lebech.info>
David Wimmer <davidlwimmer@gmail.com>
Davies Liu <davies.liu@gmail.com>
Davor Kapsa <davor.kapsa@gmail.com>
Dean Eigenmann <7621705+decanus@users.noreply.github.com>
Dean Prichard <dean.pritchard@gmail.com>
Deepak Jois <deepak.jois@gmail.com>
Deepak S <deepakspavoodath@gmail.com>
Denis Bernard <db047h@gmail.com>
Denis Brandolini <denis.brandolini@gmail.com>
Denis Isaev <idenx@yandex.com>
Denis Nagorny <denis.nagorny@intel.com>
Dennis Kuhnert <mail.kuhnert@gmail.com>
Denys Honsiorovskyi <honsiorovskyi@gmail.com>
Denys Smirnov <denis.smirnov.91@gmail.com>
Derek Buitenhuys <derek.buitenhuys@gmail.com>
Derek Che <drc@yahoo-inc.com>
Derek McGowan <derek@mcgstyle.net>
Derek Parker <parkerderek86@gmail.com>
Derek Phan <derekphan94@gmail.com>
Derek Shockey <derek.shockey@gmail.com>
Dev Ojha <dojha12@gmail.com>
Dev Zhoujun <dev.zhoujun@gmail.com>
Devon H. O'Dell <devon.odell@gmail.com>
Dhaivat Pandit <dhaivatpandit@gmail.com>
Dhananjay Nakrani <dhananjayn@gmail.com>
Dhiru Kholia <dhiru.kholia@gmail.com>
Dhruv Dutt Jadhav <dhruv.dutt.jadhav@gmail.com>
Di Xiao <dixiao@gmail.com>
Didier Spezia <didier.06@gmail.com>
Diego Medina <fmpwizard@gmail.com>
Diego Siqueira <diego9889@gmail.com>
Dieter Plaetinck <dieter@raintank.io>
Dilynn Corner <dilynn.corner@gmail.com>
Dimitri Sokolyuk <sokolyuk@gmail.com>
Dimitri Tcaciuc <dtcaciu@gmail.com>
Dina Garmash <dgrmsh@gmail.com>
Diogo Pinela <diogoid7400@gmail.com>
Dirk Gadsden <dirk@esherido.com>
Diwaker Gupta <diwakergupta@gmail.com>
Dmitri Goutnik <dgoutnik@gmail.com>
Dmitri Popov <operator@cv.dp-net.com>
Dmitri Shuralyov <dmitshur@golang.org> <dmitri@shuralyov.com>
Dmitrii Okunev <xaionaro@gmail.com>
Dmitriy Cherchenko <dcherchenko@gmail.com>
Dmitriy Dudkin <dudkin.dmitriy@gmail.com>
Ford Hurley <ford.hurley@gmail.com>
Francesc Campoy <campoy@golang.org>
Francesco Guardiani <francescoguard@gmail.com>
Francesco Renzi <rentziass@gmail.com>
Francisco Claude <fclauderecoded.cl>
Francisco Rojas <francisco.rojas.gallegos@gmail.com>
Francisco Souza <franciscosouza@gmail.com>
Frank Schroeder <frank.schroeder@gmail.com>
Frank Somers <fsomers@arista.com>
Frederic Guillot <frederic.guillot@gmail.com>
Frederick Kelly Mayle III <frederickmayle@gmail.com>
Frederik Ring <frederik.ring@gmail.com>
Frederik Zipp <fzipp@gmx.de>
Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@gmail.com>
Fredrik Wallgren <fredrik.wallgren@gmail.com>
Frew Schmidt <github@frew.co>
Frithjof Schulze <schulze@math.uni-hannover.de> <sfritjof@gmail.com>
Frits van Bommel <fvbommel@gmail.com>
Fujimoto Kyosuke <kyoro.f@gmail.com>
Fumitoshi Ukai <ukai@google.com>
G. Hussain Chinoy <ghchinoy@gmail.com>
Gaal Yahas <gaal@google.com>
Gabrel Arthr Ptursson <gabriel@system.is>
Gabriel Aszalos <gabriel.aszalos@gmail.com>
Gabriel Guzman <gabe.guzman@gmail.com>
Gabriel Nelle <tehsphinx@web.de>
Gabriel Nicolas Avellaneda <avellaneda.gabriel@gmail.com>
Gabriel Rosenhouse <rosenhouse@gmail.com>
Gabriel Russell <gabriel.russell@gmail.com>
Gabriel Vasile <gabriel.vasile0793@gmail.com>
Gareth Paul Jones <gpj@foursquare.com>
Garret Kelly <gdk@google.com>
Garrick Evans <garrick@google.com>
Garry McNulty <garrmenu@gmail.com>
Gary Burd <gary@beagledreams.com> <gary.burd@gmail.com>
Gary Elliott <garyelliott@gmail.com>
Gaurav Singh <gaurav1086@gmail.com>
Gaurish Sharma <contact@gaurishsharma.com>
Gautham Thambidorai <gautham.dorai@gmail.com>
Gauthier Jolly <gauthier.jolly@gmail.com>
Gawen Arab <gawen.arab@c.zen.ly>
Geert-Johan Riemer <gjr19912@gmail.com>
Genevieve Luyt <genevieve.luyt@gmail.com>
Gengliang Wang <ltnwgl@gmail.com>
Geoff Berry <gberry.qdt@qualcommdatacenter.com>
Geoffroy Lorieux <lorieux.g@gmail.com>
Geon Kim <geon0250@gmail.com>
Ian Davis <nospam@iandavis.com>
Ian Gudger <ian@loosescre.ws>
Ian Haken <ihaken@netflix.com>
Ian Kent <iankent85@gmail.com>
Ian Lance Taylor <iant@golang.org>
Ian Leue <ian@appboy.com>
Ian Mckay <iann0036@gmail.com>
Ian Tay <iantay@gmail.com>
Ian Woolf <btw515wolf2@gmail.com>
Ian Zapolsky <ianzapolsky@gmail.com>
Ibrahim AshShohail <ibra.sho@gmail.com>
Icarus Sparry <golang@icarus.freeuk.com>
Iccha Sethi <icchasethi@gmail.com>
Ichinose Shogo <shogo82148@gmail.com>
Idora Shinatose <idora.shinatose@gmail.com>
Ignacio Hagopian <jsign.uy@gmail.com>
Igor Bernstein <igor.bernstein@gmail.com>
Igor Bolotnikov <igor.v.bolotnikov@gmail.com>
Igor Dolzhikov <bluesriverz@gmail.com>
Igor Vashyst <ivashyst@gmail.com>
Igor Zhilianin <igor.zhilianin@gmail.com>
Ikko Ashimine <eltociear@gmail.com>
Ilya Yalovyy <yalovoy@gmail.com>
Ilya Chukov <56119080+Elias506@users.noreply.github.com>
Ilya Sinelnikov <sidmangh@gmail.com>
Ilya Tocar <ilya.tocar@intel.com>
INADA Naoki <songofacandy@gmail.com>
Inanc Gumus <m@inanc.io>
Ingo Gottwald <in.gottwald@gmail.com>
Ingo Krabbe <ikrabbe.ask@gmail.com>
Ingo Oeser <nightlyone@googlemail.com> <nightlyone@gmail.com>
Ioannis Georgoulas <geototil21@hotmail.com>
Irbe Krumina <irbekrm@gmail.com>
Irfan Sharif <irfanmahmoudsharif@gmail.com>
Irieda Noboru <irieda@gmail.com>
Isaac Ardis <isaac.ardis@gmail.com>
Isaac Wagner <ibw@isaacwagner.me>
Isfan Azhabil <isfanazhabil@gmail.com>
Iskander Sharipov <iskander.sharipov@intel.com> <quasilyte@gmail.com>
Issac Trots <issactrots@google.com>
Ivan Babrou <ivan@cloudflare.com>
Ivan Bertona <ivan.bertona@gmail.com>
Ivan Krasin <krasin@golang.org>
Ivan Kutuzov <arbrix@gmail.com>
Ivan Markin <sw@nogoegst.net>
Ivan Moscoso <moscoso@gmail.com>
Ivan Osadchiy <ivan.osadchii@gmail.com>
Ivan Sharavuev <shpiwan@gmail.com>
Ivan Trubach <mr.trubach@icloud.com>
Ivan Ukhov <ivan.ukhov@gmail.com>
Ivy Evans <ivy@ivyevans.net>
Jaana Burcu Dogan <jbd@google.com> <jbd@golang.org> <burcujdogan@gmail.com>
Jaap Aarts <jaap.aarts1@gmail.com>
Jack Britton <jackxbritton@gmail.com>
Jack Lindamood <jlindamo@justin.tv>
Jacob Baskin <jbaskin@google.com>
Jacob Blain Christen <dweomer5@gmail.com>
Jacob H. Haven <jacob@cloudflare.com>
Jacob Hoffman-Andrews <github@hoffman-andrews.com>
Jacob Walker <jacobwalker0814@gmail.com>
Jaden Teng <long.asyn@gmail.com>
Jae Kwon <jae@tendermint.com>
Jake B <doogie1012@gmail.com>
Jakob Borg <jakob@nym.se>
Jakob Weisblat <jakobw@mit.edu>
Jakub ajka <jcajka@redhat.com>
Jakub Kaczmarzyk <jakubk@mit.edu>
Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com>
Jakub Warczarek <jakub.warczarek@gmail.com>
Jamal Carvalho <jamal.a.carvalho@gmail.com>
James Aguilar <jaguilar@google.com>
James Bardin <j.bardin@gmail.com>
James Chacon <jchacon@google.com>
James Clarke <jrtc27@jrtc27.com>
James Cowgill <James.Cowgill@imgtec.com>
James Craig Burley <james-github@burleyarch.com>
James David Chalfant <james.chalfant@gmail.com>
James Eady <jmeady@google.com>
James Fennell <jpfennell@gmail.com>
James Fysh <james.fysh@gmail.com>
James Gray <james@james4k.com>
James Hartig <fastest963@gmail.com>
James Kasten <jdkasten@gmail.com>
James Lawrence <jljatone@gmail.com>
James Meneghello <rawrz0r@gmail.com>
James Myers <jfmyers9@gmail.com>
James Naftel <james.naftel@gmail.com>
James Neve <jamesoneve@gmail.com>
James Nugent <james@jen20.com>
James P. Cooper <jamespcooper@gmail.com>
James Robinson <jamesr@google.com> <jamesr.gatech@gmail.com>
James Schofield <james@shoeboxapp.com>
James Smith <jrs1995@icloud.com>
James Sweet <james.sweet88@googlemail.com>
James Toy <nil@opensesame.st>
James Treanor <jtreanor3@gmail.com>
Jean-Marc Eurin <jmeurin@google.com>
Jean-Nicolas Moal <jn.moal@gmail.com>
Jed Denlea <jed@fastly.com>
Jdrzej Szczepaniak <jszczepaniak@gmail.com>
Jeet Parekh <jeetparekh96@gmail.com>
Jeevanandam M <jeeva@myjeeva.com>
Jeff (Zhefu) Jiang <jeffjiang@google.com>
Jeff Craig <jeffcraig@google.com>
Jeff Dupont <jeff.dupont@gmail.com>
Jeff Hodges <jeff@somethingsimilar.com>
Jeff Johnson <jrjohnson@google.com>
Jeff R. Allen <jra@nella.org> <jeff.allen@gmail.com>
Jeff Sickel <jas@corpus-callosum.com>
Jeff Wendling <jeff@spacemonkey.com>
Jeff Widman <jeff@jeffwidman.com>
Jeffrey H <jeffreyh192@gmail.com>
Jelte Fennema <github-tech@jeltef.nl>
Jens Frederich <jf Frederich@gmail.com>
Jeremiah Harmesen <jeremiah@google.com>
Jeremy Banks <_@jeremy.ca>
Jeremy Canady <jc canady@gmail.com>
Jeremy Faller <jeremy@golang.org>
Jeremy Jackins <jeremyjackins@gmail.com>
Jeremy Jay <jeremy@pnjhay.com>
Jeremy Schlatter <jeremy.schlatter@gmail.com>
Jero Bado <toidokitalkyou@gmail.com>
Jeroen Bobbeldijk <jerob92@gmail.com>
Jeroen Simonetti <jeroen@simonetti.nl>
Jrme Doucet <jerdct@gmail.com>
Jerrin Shaji George <jerrinsg@gmail.com>
Jess Frazelle <me@jessfraz.com>
Jesse Szwedko <jesse.szwedko@gmail.com>
Jess Espino <jespino@gmail.com>
Jia Zhan <jzhan@uber.com>
Jiacai Liu <jiacai2050@gmail.com>
Jiahao Lu <lujjh@gmail.com>
Jianing Yu <jnyu@gmail.com>
Jianqiao Li <jianqiaoli@gmail.com>
Jiayu Yi <yijayu@gmail.com>
Jie Ma <jenius@outlook.com>
Jihyun Yu <yjh0502@gmail.com>
Jim Cote <jfcote87@gmail.com>
Jim Kingdon <jim@bolt.me>
Jim McGrath <jimmnc2@gmail.com>
Jim Minter <jminter@redhat.com>
Jimmy Frasche <soapboxcicero@gmail.com>
Jimmy Zelinskie <jimmyzelinskie@gmail.com>
Jin-wook Jeong <jeweljar@hanmail.net>
Jingcheng Zhang <diogin@gmail.com>
Jingguo Yao <yaojingguo@gmail.com>
Jingnan Si <jingnan.si@gmail.com>
Jinkun Zhang <franksnolf@gmail.com>
Jiong Du <londevil@gmail.com>
Jirka Dank <dnk@mail.muni.cz>
Jiulong Wang <jiulongw@gmail.com>
Joakim Sernbrant <serbaut@gmail.com>
Joe Bowbeer <joe.bowbeer@gmail.com>
Joe Cortopassi <joe@joecortopassi.com>
Joe Farrell <joe2farrell@gmail.com>
Joe Harrison <joehazzers@gmail.com>
Joe Henke <joed.henke@gmail.com>
Joe Kyo <xunianzu@gmail.com>
Joe Poirier <jdpoirier@gmail.com>
Joe Richey <joerichey@gmail.com>
Joe Shaw <joe@joeshaw.org>
Joe Sylve <joe.sylve@gmail.com>
Joe Tsai <joetsai@digital-static.net>
Joel Courtney <euphemize@gmail.com>
Joel Ferrier <joelferrier@gmail.com>
Joel Sing <joel@sing.id.au> <jsing@google.com>
Jol Stemmer <jstemmer@gmail.com>
Jol Stemmer <stemmertech@gmail.com>
Joey Geiger <jgeiger@users.noreply.github.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
Johan Euphosine <proppy@google.com>
Johan Jansson <johan.jansson@iki.fi>
Johan Knutzen <johan@senri.se>
Johan Sageryd <j@1616.se>
Johannes Huning <johannes.huning@gmail.com>
John Asmuth <jasmuth@gmail.com>
John Bampton <jbampton@gmail.com>
John Beisley <huin@gmail.com>
John C Barstow <jbowtie@amathaine.com>
John DeNero <denero@google.com>
John Dethridge <jcd@golang.org>
John Gibb <johnngibb@gmail.com>
John Gilik <john@jgilik.com>
John Graham-Cumming <jgc@jgc.org> <jgrahamtj@google.com>
John Howard Palevich <jack.palevich@gmail.com>
John Jago <johnjago@protonmail.com>
John Jeffery <jjeffery@sp.com.au>
John Jenkins <twodopeshaggy@gmail.com>
John Leidegren <john.leidegren@gmail.com>
John McCabe <john@johnmccabe.net>
John Moore <johnkenneth.moore@gmail.com>
John Newlin <jnewlin@gmail.com>
John Papandriopoulos <jpap.code@gmail.com>
John Potocny <johnp@vividcortex.com>
John R. Lenton <jlenton@gmail.com>
John Schnake <schnake.john@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
John Weldon <johnweldon4@gmail.com>
Johnny Luo <johnnyluo1980@gmail.com>
Jon Chen <jchen@justin.tv>
Jon Johnson <jonjohnson@google.com>
Jonas Bernoulli <jonas@bernoulli.li>
Jonathan Albrecht <jonathan.albrecht@ibm.com>
Jonathan Allie <jonallie@google.com>
Jonathan Amsterdam <jba@gmail.com>
Jonathan Boulle <jonathanboulle@gmail.com>
Jonathan Chen <dijonkitchen@users.noreply.github.com>
Jonathan Feinberg <feinberg@gmail.com>
Jonathan Gold <jgold.bg@gmail.com>
Jonathan Hseu <jhseu@gmail.com>
Jonathan Mark <jmark@xenops.com> <jmark000@gmail.com>
Jonathan Nieder <jrn@google.com>
Jonathan Pentecost <pentecostjonathan@gmail.com>
Jonathan Pittman <jmpittman@gmail.com> <jonathan.mark.pittman@gmail.com>
Jonathan Rudenberg <jonathan@titanous.com>
Jonathan Stacks <jonstacks13@gmail.com>
Jonathan Swinney <jswinney@amazon.com>
Jonathan Wills <runningwild@gmail.com>
Jonathan Lacher <jonathon.lacher@gmail.com>
Jongmin Kim <atomaths@gmail.com>
Joona Kuorilehto <joneskoo@derbian.fi>
Joop Kiefte <ikojb@gmail.com> <joop@kiefte.net>
Jordan Christiansen <xordspar0@gmail.com>
Jordan Krage <jmank88@gmail.com>
Jordan Lewis <jordanthelewis@gmail.com>
Jordan Liggitt <liggitt@gmail.com>
Jordan Rhee <jordanrh@microsoft.com>
Jordan Rupprecht <rupprecht@gmail.com>
Jordi Martin <jordimartin@gmail.com>
Jorge Araya <jorgejavieran@yahoo.com.mx>
Jorge L. Fatta <jorge.fatta@auth0.com>
Jos Visser <josv@gmail.com>
Josa Gesell <josa@gesell.me>
Jose Luis Vquez Gonzalez <josvazg@gmail.com>
Joseph Bonneau <jcb@google.com>
Joseph Holsten <joseph@josephholsten.com>
Joseph Morag <sefim96@gmail.com>
Josh Baum <joshbaum@google.com>
Josh Bleecher Snyder <josharian@gmail.com>
Kun Li <likunarmstrong@gmail.com>
Kunpei Sakai <namusyaka@gmail.com>
Kuntal Majumder <hellozee@disroot.org>
Kush Patel <kush.patel@hootsuite.com>
Kyle Consalus <kconsalus@gmail.com>
Kyle Isom <kyle@gokyle.net>
Kyle Jones <kyle@kyledj.com>
Kyle Lemons <kyle@kylelemons.net> <kevlar@google.com>
Kyle Nusbaum <kyle@datadog.com>
Kyle Shannon <kyle@pobox.com>
Kyle Spiers <eiais@google.com>
Kyle Wood <kyle@kylewood.cc>
Kyohei Kadota <lufia@lufia.org>
Kyril Silin <silin@kyrilo.org>
L Campbell <unpantsu@gmail.com>
Lai Jiangshan <eag0628@gmail.com>
Lajos Papp <lalyos@yahoo.com>
Lakshay Garg <lakshay.garg.1996@gmail.com>
Lann Martin <lannm@google.com>
Lanre Adelowo <yo@lanre.wtf>
Lapo Luchini <lapo@lapo.it>
Larry Clapp <larry@theclapp.org>
Larry Hosken <lahosken@golang.org>
Lars Jeppesen <jeppesen.lars@gmail.com>
Lars Lehtonen <lars.lehtonen@gmail.com>
Lars Wiegman <lars@namsral.com>
Larz Conwell <larzconwell@gmail.com>
Laurent Voisin <lpvoisin@gmail.com>
Laurie Clark-Michalek <laurie@qubit.com>
LE Manh Cuong <cuong.manhle.vn@gmail.com>
Lee Hinman <hinman@gmail.com>
Lee Packham <lpackham@gmail.com>
Lehner Florian <dev@der-flo.net>
Leigh McCulloch <leighmcc@gmail.com>
Leo Antunes <leo@costela.net>
Leo Rudberg <ljr@gmail.com>
Leon Klingele <git@leonklingele.de>
Leonard Wang <wangdeyu0907@gmail.com>
Leonardo Comelli <leonardo.comelli@gmail.com>
Leone Quinteros <leonel.quinteros@gmail.com>
Lev Shamardin <shamardin@gmail.com>
Lewin Bormann <lewin.bormann@gmail.com>
Lewis Waddicor <nemesismk2@gmail.com>
Liam Haworth <liam@haworth.id.au>
Lily Chung <lilithkchung@gmail.com>
Lingchao Xin <douglarek@gmail.com>
Lion Yang <lion@aosc.xyz>
Liz Rice <liz@lizrice.com>
Martin Bertschler <mbertschler@gmail.com>
Martin Garton <garton@gmail.com>
Martin Habbecke <marhab@google.com>
Martin Hamrle <martin.hamrle@gmail.com>
Martin Hoefling <martin.hoefling@gmx.de>
Martin Kreichgauer <martinkr@google.com>
Martin Kunc <martinkunc@users.noreply.github.com>
Martin Lindhe <martin.j.lindhe@gmail.com>
Martin Mohrmann <moehrmann@google.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martinolsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martin Sucha <antry.sk+git@gmail.com>
Martin Tournoij <martin@arp242.net>
Martins Sipenko <martins.sipenko@gmail.com>
Martynas Budranas <mabu@google.com>
Marvin Stenger <marvin.stenger94@gmail.com>
Marwan Sulaiman <marwan.sulaiman@work.co>
Maryan Hratson <gmarik@gmail.com>
Masahiro Furudate <masahiro.furudate@gmail.com>
Masahiro Wakame <vvakame@gmail.com>
Masaki Yoshida <yoshida.masaki@gmail.com>
Masaya Watanabe <sbgwn30@gmail.com>
Mat Byczkowski <mbyczkowski@gmail.com>
Mat Ryer <thatmatryer@gmail.com>
Mt Gulys <mgulyas86@gmail.com>
Matej Bao <matejbaco@gmail.com>
Mateus Amin <mateus.amin@gmail.com>
Mateusz Czapinski <czapkofan@gmail.com>
Matheus Alcantara <matheusssilv97@gmail.com>
Mathias Beke <git@denbeke.be>
Mathias Hall-Andersen <mathias@hall-andersen.dk>
Mathias Leppich <mleppich@muhqu.de>
Mathieu Lonjaret <mathieu.lonjaret@gmail.com>
Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>
Matt Aimonetti <mattaimonetti@gmail.com>
Matt Blair <me@mattewblair.net>
Matt Bostock <matt@mattbostock.com>
Matt Brown <mdbrown@google.com>
Matt Dee <mdee@hioscar.com>
Matt Drollette <matt@drollette.com>
Matt Harden <matt.harden@gmail.com>
Matt Jibson <matt.jibson@gmail.com>
Matt Joiner <anacrolix@gmail.com>
Matt Jones <mrjones@gmail.com>
Matt Juran <shepciet@gmail.com>
Matt Layher <mdlayher@gmail.com>
Mostyn Bramley-Moore <mostyn@antipode.se>
Mrunal Patel <mrunalp@gmail.com>
Muhammad Falak R Wani <falakreyaz@gmail.com>
Muhammad Hamza Farrukh <hamzafarrukh141@gmail.com>
Muhammed Uluyol <uluyol0@gmail.com>
Muir Manders <muir@mnd.rs>
Mukesh Sharma <sharma.mukesh439@gmail.com>
Mura Li <mura_li@castech.com.tw>
Mykhailo Lesyk <mikhail@lesyk.org>
Nahum Shalman <nahamu@gmail.com>
Naman Aggarwal <aggarwal.nam@gmail.com>
Naman Gera <namannger15@gmail.com>
Nan Deng <nonnand@gmail.com>
Nao Yonashiro <owan.orisano@gmail.com>
Naoki Kanatani <k12naoki@gmail.com>
Nataeal Copa <ncopa@mirantis.com>
Nate Wilkinson <nathanwilk7@gmail.com>
Nathan Cantelmo <n.cantelmo@gmail.com>
Nathan Caza <mstercactapus@gmail.com>
Nathan Dias <nathan.dias@orijtech.com>
Nathan Fiscaletti <nathan.fiscaletti@vrazo.com>
Nathan Humphreys <nkhumphreys@gmail.com>
Nathan John Youngman <nj@nathany.com>
Nathan Otterness <otternes@cs.unc.edu>
Nathan P Finch <nate.finch@gmail.com>
Nathan VanBenschoten <nvanbenschoten@gmail.com>
Nathan Youngman <git@nathany.com>
Nathan(yinian) Hu <nathanhu@google.com>
Nathaniel Cook <nvcook42@gmail.com>
Naveen Kumar Sangi <naveenkumarsangi@protonmail.com>
Neeilal Selvatingam <neeilan96@gmail.com>
Neeleesh Chandola <neelesh.c98@gmail.com>
Nehal J Wani <nehaliw.kkd1@gmail.com>
Neil Lyons <nwljlyons@googlemail.com>
Neuman Vong <neuman.vong@gmail.com>
Neven Sajko <nsajko@gmail.com>
Nevins Bartolomeo <nevins.bartolomeo@gmail.com>
Niall Sheridan <nsheridan@gmail.com>
Nic Day <nic.day@me.com>
Nicholas Asimov <nicholas@asimov.me>
Nicholas Katsaros <nick@nickkatsaros.com>
Nicholas Maniscalco <nicholas@maniscalco.com>
Nicholas Ng <nickng@nickng.io>
Nicholas Presta <nick@nickpresta.ca> <nick1presta@gmail.com>
Nicholas Sullivan <nicholas.sullivan@gmail.com>
Nicholas Waples <nwaples@gmail.com>
Nick Anthony <Liberatys@outlook.com>
Nick Cooper <nmvc@google.com>
Nick Craig-Wood <nick@craig-wood.com> <nickcw@gmail.com>
Nick Harper <nharper@google.com>
Nick Kubala <nkubala@google.com>
Nick Leli <nicholasleli@gmail.com>
Nick Miyake <nmiyake@users.noreply.github.com>
Nick Patavalis <nick.patavalis@gmail.com>
Nick Petroni <npetroni@cs.umd.edu>
Nick Robinson <nrobinson13@gmail.com>
Nick Smolin <nick27surgut@gmail.com>
Nicolas BRULEZ <n.brulez@gmail.com>
Nicolas Kaiser <nikai@nikai.net>
Nicolas Owens <mischief@offblast.org>
Nicolas S. Dade <nic.dade@gmail.com>
Niek Sanders <niek.sanders@gmail.com>
Niels Widger <niels.widger@gmail.com>
Nigel Kerr <nigel.kerr@gmail.com>
Nigel Tao <nigeltao@golang.org>
Nik Nyby <nnby@columbia.edu>
Nikhil Benesch <nikhil.benesch@gmail.com>
Nikita Gillmann <nikita@n0.is> <ng0@n0.is>
Nikita Kryuchkov <nkryuchkov10@gmail.com>
Nikita Melekhin <nimelehin@gmail.com>
Nikita Vanyasin <nikita.vanyasin@gmail.com>
Niklas Schnelle <niklas.schnelle@gmail.com>
Niko Dziemba <niko@dziemba.com>
Nikolay Turpakov <nikolay@turpakov.com>
Nils Larsgrd <nilsmagnus@gmail.com>
Nir Sofer <nirsof@gmail.com>
Niranjan Godbole <niranjan8192@gmail.com>
Nishanth Shanmugham <nishanth.gerrard@gmail.com>
Noah Campbell <noahcampbell@gmail.com>
Noah Goldman <noahg34@gmail.com>
Noah Santschi-Cooney <noah@antschi-cooney.ch>
Noble Johnson <noblepoly@gmail.com>
Nodir Turakulov <nodir@google.com>
Noel Georgi <git@frezbo.com>
Norberto Lopes <nlopes.ml@gmail.com>
Norman B. Lancaster <qbradq@gmail.com>
Nuno Cruces <ncruces@users.noreply.github.com>
Obei Sideg <obei.sideg@gmail.com>
Obeyda Djellal <djefobey@gmail.com>
Odin Ugedal <odin@ugedal.com>
Oleg Bulatov <dmage@yandex-team.ru>
Oleg Vakheta <helginet@gmail.com>
Oleku Konko <oleku.konko@gmail.com>
Oling Cat <olinglecat@gmail.com>
Oliver Hookins <ohookins@gmail.com>

**Open Source Used In FXOS-RM 2.12.0**
Prashant Varanasi <prashant@prashantv.com>
Praveen Kumar <praveen+git@kumar.in>
Pravendra Singh <hackpravj@gmail.com>
Preetam Jinka <pj@preet.am>
Pure White <wu.purewhite@gmail.com>
Qais Patankar <qaisjp@gmail.com>
Qiuxuan Zhu <slsh1022@gmail.com>
Quan Tran <qued.quan@gmail.com>
Quan Yong Zhai <qyzhai@gmail.com>
Quentin Perez <qperez@ocs.online.net>
Quentin Renard <contact@asticode.com>
Quentin Smith <quentin@golang.org>
Quey-Liang Kao <s101062801@m101.nthu.edu.tw>
Quim Muntal <quimmuntal@gmail.com>
Quinn Slack <sqs@sourcegraph.com>
Quinten Yearsley <qyearsley@chromium.org>
Quoc-Viet Nguyen <afelion@gmail.com>
Rabin Gaire <rablingaire20@gmail.com>
Radek Simko <radek.simko@gmail.com>
Radek Sohlic <sohlic@gmail.com>
Radu Berinde <radu@cockroachlabs.com>
Rafal Jeczalik <rjeczalik@gmail.com>
Raghavendra Nagaraj <jamdagni86@gmail.com>
Rahul Bajaj <rahulrb0509@gmail.com>
Rahul Chaudhry <rahulchaudhry@chromium.org>
Rahul Wadhwani <rahulwadhwani21@gmail.com>
Raif S. Naffah <go@naffah-raif.name>
Rajat Goel <rajat.goel2010@gmail.com>
Rajath Agasthya <rajathagasthya@gmail.com>
Rajender Reddy Kompally <rajenderreddykompally@gmail.com>
Ralph Corderoy <ralph@inputplus.co.uk>
Ramazan AYYILDIZ <rayyildiz@gmail.com>
Ramesh Dharan <dharan@google.com>
Randy Reddig <randy@alta.software>
Raph Levien <raph@google.com>
Raphael Geronimi <raphael.geronimi@gmail.com>
Raul Silvera <rsilvera@google.com>
Ravil Bikbulatov <weeellz12@gmail.com>
RaviTeja Pothana <ravi.tezu@gmail.com>
Ray Tung <rtung@thoughtworks.com>
Ray Wu <ray@liftoff.io>
Raymond Kazlauskas <raima220@gmail.com>
Rebecca Stambler <rstambler@golang.org>
Reilly Watson <reillywatson@gmail.com>
Reinaldo de Souza Jr <juniorz@gmail.com>
Remi Gillig <remigillig@gmail.com>
Rmy Oudompheng <oudomphe@phare.normalesup.org> <remyoudompheng@gmail.com>
Ren Ogaki <re.yuz7777@gmail.com>
Roger Pau Monn <royger@gmail.com>
Roger Peppe <rogepepe@gmail.com>
Rohan Challa <rohan@golang.org>
Rohan Verma <rohanverma2004@gmail.com>
Rohith Ravi <entombedvirus@gmail.com>
Roland Illig <roland.illig@gmx.de>
Roland Shoemaker <rolandshoemaker@gmail.com>
Romain Baugue <romain.baugue@elwinar.com>
Roman Budnikov <romanyx90@yandex.ru>
Roman Kollr <roman.kollar.0@gmail.com>
Roman Shchekin <mrqtrros@gmail.com>
Ron Hashimoto <mail@h2so5.net>
Ron Minnich <rminnich@gmail.com>
Ronnie Ebrin <ebriin.ronnie@protonmail.com>
Ross Chater <rdchater@gmail.com>
Ross Kinsey <rossikinsey@gmail.com>
Ross Light <light@google.com> <rlight2@gmail.com>
Ross Smith II <ross@smithii.com>
Rowan Marshall <rowanajmarshall@gmail.com>
Rowan Worth <sqweek@gmail.com>
Rudi Kramer <rudi.kramer@gmail.com>
Rui Ueyama <ruuiu@gmail.com>
Ruixin Bao <ruixin.bao@ibm.com>
Ruslan Andreev <ruslan.andreev@huawei.com>
Ruslan Nigmatullin <elessar@dropbox.com>
Russ Cox <rsc@golang.org>
Russell Haering <russellhaering@gmail.com>
Ryan Bagwell <ryanbagwell@outlook.com>
Ryan Barrett <ryanb@gmail.com>
Ryan Boehning <ryan.boehning@apcera.com>
Ryan Brown <ribrdb@gmail.com>
Ryan Canty <jrcanty@gmail.com>
Ryan Dahl <ry@tinyclouds.org>
Ryan Hitchman <hitchmanr@gmail.com>
Ryan Kohler <ryankohler@gmail.com>
Ryan Lower <rpjlower@gmail.com>
Ryan Roden-Current <ryan@rcorre.net>
Ryan Seys <ryan@ryanseys.com>
Ryan Slade <ryanslade@gmail.com>
Ryan Zhang <ryan.zhang@docker.com>
Ryoichi KATO <ryo1kato@gmail.com>
Ryoya Sekino <ryoyasekino1993@gmail.com>
Ryuji Iwata <qt.luigi@gmail.com>
Ryuma Yoshida <ryuma.y1117@gmail.com>
Ryuzo Yamamoto <ryuzo.yamamoto@gmail.com>
S.alar Onur <caglar@10ur.org>
Sabin Mihai Rapan <sabin.rapan@gmail.com>
Sad Pencil <sqh06@qq.com>
Sean Liao <seankhliao@gmail.com>
Sean Rees <sean@erifax.org>
Sebastiaan van Stijn <github@gone.nl>
Sebastian Chlopecki <sebsebmc@gmail.com>
Sebastian Kinne <skinne.google.com>
Sebastian Schmidt <yath@google.com>
Sebastien Binet <seb.binet@gmail.com>
Sbastien Paolacci <sebastien.paolacci@gmail.com>
Sebastien Williams-Wynn <sebastien@cytora.com>
Segev Finer <segev208@gmail.com>
Seiji Takahashi <timaki.st@gmail.com>
Sergei Lemeshkin <sergeilem@gmail.com>
Sergei Skorobogatov <skorobo@rambler.ru>
Sergei Zagurski <gvozdoder@gmail.com>
Sergey 'Snake' Gromov <snake.scaly@gmail.com>
Sergey Arseev <sergey.arseev@intel.com>
Sergey Dobrodey <sergey.dobrodey@synesis.ru>
Sergey Frolov <sfrolov@google.com>
Sergey Glushchenko <gsERGE@gmail.com>
Sergey Ivanov <ser1325@gmail.com>
Sergey Kacheev <S.Kacheev@gmail.com>
Sergey Lukjanov <me@slukjanov.name>
Sergey Mishin <sergeymishine@gmail.com>
Sergey Mudrik <sergey.mudrik@gmail.com>
Sergey Semin <gray12511@gmail.com>
Sergey Yanykin <syanykin@ozon.ru>
Sergio Luis O. B. Correia <sergiocurrencya.cc>
Sergiusz Bazanski <bazanski@gmail.com>
Serhat Giydiren <serhatgiydiren@gmail.com>
Serhii Aheienko <serhiiaheienko@gmail.com>
Seth Hoening <seth.a.hoeing@gmail.com>
Seth Vargo <sethvargo@gmail.com>
Shaba Abhiram <shabarivas.abhiram@gmail.com>
Shahar Kohanim <skohanim@gmail.com>
Shailesh Suryawanshi <ss.shailesh28@gmail.com>
Shamit Garatuev <garatuev@gmail.com>
Shane Hansen <shanemhansen@gmail.com>
Shang Jian Ding <sding3@ncsu.edu>
Shaozhen Ding <dsz0111@gmail.com>
Shaquille Que <shaquille@golang.org>
Shaquille Wyan Que <shaqqywyfan@gmail.com>
Shaun Dunning <shaun.dunning@uservoice.com>
Shawn Elliott <selliott@microsoft.com>
Shawn Ledbetter <sledbetter@gmail.com>
Shawn Smith <shawn.p.smith@gmail.com>
Shawn Walker-Salas <shawn.walker@oracle.com>
Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>
Shengjing Zhu <zs950618@gmail.com>
Stan Hu <stanhu@gmail.com>
Stan Schwertly <stan@schwertly.com>
Stanislav Afanasev <php.progger@gmail.com>
Steève Morin <steève.morin@gmail.com>
Stefan Baebler <sbaebler@outbrain.com>
Stefan Nilsson <nilsson@nada.kth.se> <trolleriprofessorn@gmail.com>
Stepan Shabalin <neverliberty@gmail.com>
Stephan Klatt <stephan.klatt@gmail.com>
Stephan Renatus <srenatus@chef.io>
Stephan Zuercher <zuercher@gmail.com>
Stephane Travostino <stephane.travostino@gmail.com>
Stephen Lewis <stephen@sock.org.uk>
Stephen Lu <steuhs@users.noreply.github.com>
Stephen Ma <stephenn@golang.org>
Stephen McQuay <stephen@mcquay.me>
Stephen Searles <stephens2424@gmail.com>
Stephen Weinberg <stephen@q5comm.com>
Steve Francia <spf@golang.org>
Steve Gilbert <stevegilbert23@gmail.com>
Steve LoFurno <slofurno@gmail.com>
Steve McCoy <mccoyst@gmail.com>
Steve Mynott <steve.mynott@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimisteve@gmail.com>
Steve Streetering <steve@stevestreetering.com>
Steve Traut <straust@google.com>
Steven Buss <sbuss@google.com>
Steven Elliot Harris <seharris@gmail.com>
Steven Erenst <steveenerenst@gmail.com>
Steven Hartland <steven.hartland@multiplay.co.uk>
Steven Littiebrant <imgroxx@gmail.com>
Steven Maude <git@stevenmaude.co.uk>
Steven Wilkin <stevenwilkin@gmail.com>
Stuart Jansen <sijansen@buscaluz.org>
Subham Sarkar <sarkar.subhams2@gmail.com>
Sue Spence <virtuallysue@gmail.com>
Sugu Sougoumarane <ssougou@gmail.com>
Suharsh Sivakumar <suharshs@google.com>
Sukrit Handa <sukrit.handa@utoronto.ca>
Sunny <me@darkowlzz.space>
Suriyaa Sundararuban <suriyasaundararuban@gmail.com>
Suyash <dextrous93@gmail.com>
Suzy Mueller <suzmue@golang.org>
Sven Almgren <sven@tras.se>
Sven Blumenstein <svbl@google.com>
Sven Lee <lee1300394324@gmail.com>
Sven Taute <sven.taute@gmail.com>
Sylvain Zimmer <sylvain@sylvainzimmer.com>
Syohei YOSHIDA <syohex@gmail.com>
Szabolcs Nagy <nsz@port70.net>
Taavi Kivisik <taavi.kivisik@gmail.com>
Tad Fisher <tadfisher@gmail.com>
Tad Glines <tad.glines@gmail.com>
Tadas Valiukas <tadovas@gmail.com>
Tadeo Kondrak <me@tadeo.ca>
Taeus Pyo <spyotaesu@gmail.com>
Tai Le <letientai299@gmail.com>
Taj Khattra <taj.khattra@gmail.com>
Takashi Matsuo <tmatsuo@google.com>
Takashi Mima <tks.m1205@gmail.com>
Takayoshi Nishida <takayoshi.nishida@gmail.com>
Takeshi YAMANASHI <9.nashi@gmail.com>
Takuto Ikuta <tikuta@gmail.com>
Takuya Ueda <uedatakuya@gmail.com>
Tal Shprecher <tshprecher@gmail.com>
Tams Gulcsi <tgulacsi78@gmail.com>
Tamir Duberstein <tamird@gmail.com>
Tao Qingyun <qingyunha@gmail.com>
Tao Shen <shentaoskyking@gmail.com>
Tao Wang <twang2218@gmail.com>
Tarmigan Casebolt <tarmigan@gmail.com>
Taro Aoki <aizu.s1230022@gmail.com>
Taru Karttunen <taruti@taruti.net>
Tatsuhiro Tsujikawa <tatsuhiro.t@gmail.com>
Tatsuya Kaneko <m.ddotx.f@gmail.com>
Taufiq Rahman <taufiqrx8@gmail.com>
Teague Cole <tnc1443@gmail.com>
Ted Kornish <golang@tedkornish.com>
Tejasvi Nareddy <tejunareddy@gmail.com>
Terin Stock <terinjokes@gmail.com>
Terrel Shumway <gopher@shumway.us>
Tetsuo Kiso <tetsuokiso9@gmail.com>
Than McIntosh <thanm@google.com>
Thanabodee Charoenpiriyakij <wingyminus@gmail.com>
Thanatat Tamtan <acoshift@gmail.com>
The Hatsune Daishi <nao20010128@gmail.com>
Thiago Avelino <t@avelino.xxx>
Thiago Fransosi Farina <thiago.farina@gmail.com> <tfarina@chromium.org>
Thom Wiggers <thom@thomwiggers.nl>
Thomas Alan Copeland <talan.copeland@gmail.com>
Thomas Bonfort <thomas.bonfort@gmail.com>
Thomas Bouldin <inlined@gmail.com>
Thomas Bruyelle <thomas.bruyelle@gmail.com>
Thomas Bushnell, BSG <tbusnell@gmail.com>
Thomas de Zeeuw <thomasdezeeuw@gmail.com>
Thomas Desrosiers <thomasdesr@gmail.com>
Thomas Habets <habets@google.com>
Thomas Kappler <tkappler@gmail.com>
Thomas Meson <zllak@hycik.org>
Thomas Symborski <thomas.symborski@gmail.com>
Thomas Wanielista <tomwans@gmail.com>
Thorben Krueger <thorben.krueger@gmail.com>
Thordur Bjornsson <thorduri@secnorth.net>
Tiago Queiroz <contato@tiago.eti.br>
Tianji Wu <the729@gmail.com>
Tianon Gravi <admwiggin@gmail.com>
Tilman Dilo <tilman.dilo@gmail.com>
Tim Cooijmans <timcooijmans@gmail.com>
Tim Cooper <tim.cooper@layeh.com>
Tim Ebringer <tim.ebringer@gmail.com>
Tim Heckman <t@heckman.io>
Tim Henderson <tim.tadh@gmail.com>
Tim Hockin <thockin@gmail.com>
Tim King <taking@gmail.com>
Tim Mhlmann <muhlemmer@gmail.com>
Tim Swast <swast@gmail.com>
Tim Wright <tenortim@gmail.com>
Tim Xu <xiaoxubeii@gmail.com>
Timmy Douglas <timmyd983@gmail.com>
Timo Savola <timo.savola@gmail.com>
Timo Truyts <alkaloid.btx@gmail.com>
Timothy Gu <timothygu99@gmail.com>
Timothy Studd <tim@timstudd.com>
Tipp Moseley <tipp@gmail.com>
Tiwei Bie <tiwei btw@antgroup.com>
Tobias Assarsson <tobias.assarsson@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@googlemail.com>
Tobias Klauser <tklauser@ distanz.ch>
Tobias Kohlbau <tobias@kohlbau.de>
Toby Burress <kurin@gmail.com>
Todd Kulesza <tkulesza@gmail.com>
Todd Neal <todd@tNeal.org>
Todd Wang <toddwang@gmail.com>
Tom Anthony <git@tomanthony.co.uk>
Tom Bergan <tombergan@gmail.com>
Tom Freudenberg <tom.freudenberg@4commerce.de>
Tom Heng <zhm20070928@gmail.com>
Tom Lanyon <tomlanyon@gmail.com>
Tom Levy <tomlevy93@gmail.com>
Tom Limoncelli <tal@whatexit.org>
Tom Linford <tomlinford@gmail.com>
Tom Panton <tom@tomandtally.co.uk>
Tom Parkin <tom.parkin@gmail.com>
Tom Payne <twpayne@gmail.com>
Zachary Amsden <zach@thundertoken.com>
Zachary Gershman <zgershman@pivotal.io>
Zak <zrknill@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zhang Boyang <zhangboyang.id@gmail.com>
Zheng Dayu <davidzheng23@gmail.com>
Zheng Xu <zheng.xu@arm.com>
Zhengyu He <hzy@google.com>
Zhongpeng Lin <zplin@uber.com>
Zhongtao Chen <chenzhongtao@126.com>
Zhongwei Yao <zhongwei.yao@arm.com>
Zhou Peng <p@ctriple.cn>
Ziad Hatahet <shatahet@gmail.com>
Ziheng Liu <1zhfromustc@gmail.com>
Zorion Arrizabalaga <zorionk@gmail.com>
Zvonimir Pavlinovic <zpavlinovic@google.com>
Zyad A. Ali <zyad.ali.me@gmail.com>
<a.maksadbek@gmail.com>
<max.faceless.frei@gmail.com>
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* Markus Kuhn -- 2007-05-26 (Unicode 5.0)
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* Adriaan de Groot <groot@kde.org>
* Aleksey Avdeev <solo@altlinux.ru>
* Alexander Neundorf <neundorf@kde.org>
* Alexander Smorkalov <alexander.smorkalov@itseez.com>
* Alexey Sokolov <sokolov@google.com>
* Alex Turbov <i.zaufi@gmail.com>
* Andreas Pakulat <apaku@gmx.de>
* Andreas Schneider <asn@cryptomilk.org>
* Andr Rigland Brodtkorb <Andre.Brodtkorb@ifi.uio.no>
* Axel Huebl, Helmholtz-Zentrum Dresden - Rossendorf
* Benjamin Eikel
* Bjoern Ricks <bjoern.ricks@gmail.com>
* Brad Hards <bradh@kde.org>
* Christopher Harvey
* Christoph Grninger <foss@grueninger.de>
* Clement Creusot <creusot@cs.york.ac.uk>
* Daniel Blezek <blezek@gmail.com>
* Daniel Pfeifer <daniel@pfeifer-mail.de>
* Enrico Scholz <enrico.scholz@informatik.tu-chemnitz.de>
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* Helio Chissini de Castro <helio@kde.org>
* Ilya Lavrenov <ilya.lavrenov@itseez.com>
* Insight Software Consortium <insightsoftwareconsortium.org>
* Jan Woetzel
* Kelly Thompson <kgt@lanl.gov>
* Konstantin Podsvirov <konstantin@podsvirov.pro>
* Mario Bensi <mbensi@ipsquad.net>
* Mathieu Malaterre <mathieu.malaterre@gmail.com>
* Matthaeus G. Chajdas
* Matthias Kretz <kretz@kde.org>
* Matthias Maennich <matthias@maennich.net>
* Michael Strmer
* Miguel A. Figueroa-Villanueva
* Mike Jackson
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* Per oyvind Karlsen <peroyvind@mandriva.org>
* Peter Collingbourne <peter@pcc.me.uk>
* Petr Gotthard <gotthard@honeywell.com>
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* Roman Donchenko <roman.donchenko@itseez.com>
* Roman Kharitonov <roman.kharitonov@itseez.com>
* Ruslan Baratov
* Sebastian Holtermann <sebholt@xwmw.org>
* Stephen Kelly <steveire@gmail.com>
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'zlib' general purpose compression library
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CMAKE_INSTALL_LIBEXECDIR='libexec'
CMAKE_INSTALL_LOCALSTATEDIR='share/locale'
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CMAKE_INSTALL_SYSCONFDIR='etc'
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CMAKE_INSTALL_FULL_INCLUDEDIR='/usr/include'
CMAKE_INSTALL_FULL-INFODIR='/usr/info'
CMAKE_INSTALL_FULL_LIBDIR=('usr|lib64|lib/arch')
CMAKE_INSTALL_FULL_LIBEXECDIR='/usr/libexec'
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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^CMAKE_INSTALL_BINDIR='usr/bin'
CMAKE_INSTALL_DATADIR='usr/share'
CMAKE_INSTALL_DATAROOTDIR='usr/share'
CMAKE_INSTALL_DOCDIR='usr/share/doc/Root'
CMAKE_INSTALL_INCLUDEDIR='usr/include'
CMAKE_INSTALL_INFODIR='usr/info'
CMAKE_INSTALL_LIBDIR='usr/lib[lib64]'
CMAKE_INSTALL_LIBEXECDIR='usr/libexec'
CMAKE_INSTALL_LOCALEDIR='usr/share/locale'
CMAKE_INSTALL_LOCALSTATEDIR='var'
CMAKE_INSTALL_RUNSTATEDIR='var/run'
CMAKE_INSTALL_MANDIR='usr/man'
CMAKE_INSTALL_SBINDIR='usr/sbin'
CMAKE_INSTALL_SHAREDSTATEDIR='usr/com'
CMAKE_INSTALL_SYSCONFDIR='etc'
CMAKE_INSTALL_FULL_BINDIR='/usr/bin'
CMAKE_INSTALL_FULL_DATADIR='/usr/share'
CMAKE_INSTALL_FULL_DATAROOTDIR='/usr/share'
CMAKE_INSTALL_FULL_DOCDIR='/usr/share/doc/Root'
CMAKE_INSTALL_FULL_INCLUDEDIR='/usr/include'
CMAKE_INSTALL_FULL_INFODIR='/usr/info'
CMAKE_INSTALL_FULL_LIBDIR='/usr/lib[lib64]'
CMAKE_INSTALL_FULL_LIBEXECDIR='/usr/libexec'
CMAKE_INSTALL_FULL_LOCALEDIR='/usr/share/locale'
CMAKE_INSTALL_FULL_LOCALSTATEDIR='/var'
CMAKE_INSTALL_FULL_RUNSTATEDIR='/var/run'
CMAKE_INSTALL_FULL_MANDIR='/usr/man'
CMAKE_INSTALL_FULL_SBINDIR='/usr/sbin'
CMAKE_INSTALL_FULL_SHAREDSTATEDIR='/usr/com'
CMAKE_INSTALL_FULL_SYSCONFDIR='/etc'
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hello world
merhaba dnya

4-Byte sequences:
Perch (Fish) Elevator !
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CMAKE_INSTALL_DATADIR='share'
CMAKE_INSTALL_DATAROOTDIR='share'
CMAKE_INSTALL_DOCDIR='share/doc/Opt'
CMAKE_INSTALL_INCLUDEDIR='include'
CMAKE_INSTALL_INFODIR='info'
CMAKE_INSTALL_LIBDIR=('lib'|'lib64')
CMAKE_INSTALL_LIBEXECDIR='libexec'
CMAKE_INSTALL_LOCALEDIR='share/locale'
CMAKE_INSTALL_LOCALSTATEDIR='var'
CMAKE_INSTALL_RUNSTATEDIR='var/run'
CMAKE_INSTALL_MANDIR='man'
CMAKE_INSTALL_SBINDIR='sbin'
CMAKE_INSTALL_SHAREDSTATEDIR='com'
CMAKE_INSTALL_SYSCONFDIR='etc'
CMAKE_INSTALL_FULL_BINDIR=/opt/Opt/bin'
CMAKE_INSTALL_FULL_DATADIR=/opt/Opt/share'
CMAKE_INSTALL_FULL_DATAROOTDIR=/opt/Opt/share'
CMAKE_INSTALL_FULL_DOCDIR=/opt/Opt/share/doc/Opt'
CMAKE_INSTALL_FULL_INCLUDEDIR=/opt/Opt/include'
CMAKE_INSTALL_FULL_INFODIR=/opt/Opt/info'
CMAKE_INSTALL_FULL_LIBDIR=/opt/Opt/lib64'
CMAKE_INSTALL_FULL_LIBEXECDIR=/opt/Opt/libexec'
CMAKE_INSTALL_FULL_LOCALEDIR=/opt/Opt/share/locale'
CMAKE_INSTALL_FULL_LOCALSTATEDIR=/var/opt/Opt
CMAKE_INSTALL_FULLRUNSTATEDIR=/var/run/opt/Opt
CMAKE_INSTALL_FULLMANDIR=/opt/Opt/man
CMAKE_INSTALL_FULLSBINDIR=/opt/Opt/sbin
CMAKE_INSTALL_FULLSHAREDSTATEDIR=/opt/Opt/com
CMAKE_INSTALL_FULLSYSCONFDIR=/etc/opt/Opt$

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1.62 ncurses 6.1

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1.63 multipart-parser-c NA

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/**************************************************************************
 * Based on node-formidable by Felix Geisendörfer
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Found in path(s):
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
1.64 bind 9.11.4

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

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

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
  These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

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End:
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1.73 grpc 1.14.1

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1.76 cracklib 2.9.5
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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries under GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

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

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

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

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

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20
------------------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec
directly
> and see if he wants to relicense his code as LGPL... but at this
point,
> it was enough to just get it consistent and documented as to what
it was
> released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

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

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

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small
bit of
additional code, so whatever licensing y'all come up with is fine
by me.

I am sympathetic. Guys, what do you reckon?

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

-a
Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone’s
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

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

Devin

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL....

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

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

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

Cheers,

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

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

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

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

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

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

-mike

yes, go for it. thanks++

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

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
> >
> > yes, go for it. thanks++

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

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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CrackLib was originally licensed with a variant of the Artistic license. In the
interests of wider acceptance and more modern licensing, it was switched with
the original author's blessing to GPL v2.

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

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

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The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a
1.77 tap.py 3.0

1.77.1 Available under license:

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1.78 cifs-utils 6.7

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Version 3, 29 June 2007

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1.85 libxml 2.9.8

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- cmd/krb5/slave/kpropd_rpc.c
- lib/gss_mechs/mech_krb5/et/kdb5_err.c
- lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
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lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

include/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
slave/kpropd_rpc.c
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1.89 man-db 2.8.3

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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.

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

The :mod:`random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

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

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

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Sockets
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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
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- Arguments more compliant with Python standard

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

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SipHash24

--------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
--------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice:

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----
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cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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

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

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1.101 libsolv 0.6.35

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1.102 libmpc 1.1.0

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1.103 liburcu 0.10.1
1.103.1 Available under license:
Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the
userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7c7f8b0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009 :

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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work. (Executables containing this object code plus portions of the
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associated interface definition files, plus the scripts used to
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Major authors:
Brad Fitzpatrick <brad@danga.com> -- maintainer, original implementations

Anatoly Vorobey <mellon@pobox.com> -- lots of the modern server code

Steven Grimm <sgrim@facebook.com> -- iov writing (less CPU), UDP mode, non-2.0 slab mantissas, multithread, ...

Other Contributors

Evan Martin <evan@danga.com>
Nathan Neulinger <nneul@umr.edu>
Eric Hodel <drbrain@segment7.net>
Michael Johnson <ahze@ahze.net>
Pual Querna <chip@corelands.com>
Jamie McCarthy <jamie@mccarthy.vg>
Philip Neustrom <philipn@gmail.com>
Andrew O'Brien <andrewo@oriel.com.au>
Josh Rotenberg <joshrntenber@gmail.com>
Robin H. Johnson <robbat2@gentoo.org>
Tim Yardley <liquid@haveheart.com>
Paolo Borelli <paolo.borelli@gmail.com>
Eli Bingham <eli@pandora.com>
Jean-Francois Bustarret <jfbustarret@wat.tv>
Paul G <paul-lists@perforge.com>
Paul Lindner <lindner@inuus.com>
Dormando <dormando@rydia.net>
Dustin Sallings <dustin@spy.net>
Chris Goffinet <goffinet@yahoo-inc.com>
Tomash Brechko <tomash.brechko@gmail.com>
Brian Aker <brian@tangent.org>
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This file contains the following sections:
OVERVIEW        General description of JPEG and the IJG software.
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ARCHIVE LOCATIONS Where to find newer versions of this software.
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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 "rdipgeom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

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

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

We are required to state that

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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.

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


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

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

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

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

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

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

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

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

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

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

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

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

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

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

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

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

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

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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.]

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

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1.127 django 1.11.14

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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

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===========================
Advice for new contributors
===========================

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

   If you are new to contributing to Django, the :doc:`/intro/contributing` tutorial will give you an introduction to the tools and the workflow.

First steps
-----------

Start with these easy tasks to discover Django's development process.

* **Sign the Contributor License Agreement**

   The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the `CLA`_. See the `Contributor License Agreement FAQ`_ for a more thorough explanation.

* **Triage tickets**
If an `unreviewed ticket`_ reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at :ref:`how-can-i-help-with-triaging`

* **Look for tickets that are accepted and review patches to build familiarity with the codebase and the process**

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests </internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

* **Keep old patches up to date**

  Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

* **Write some documentation**

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

  The `reports page`_ contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

  .. _reports page: https://code.djangoproject.com/wiki/Reports

  .. _CLA: https://www.djangoproject.com/foundation/cla/
  .. _Contributor License Agreement FAQ: https://www.djangoproject.com/foundation/cla/faq/
  .. _unreviewed ticket: https://code.djangoproject.com/query?status=!closed&stage=Unreviewed

Guidelines
==========

As a newcomer on a large project, it's easy to experience frustration. Here's

---

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some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

Trac isn’t an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn’t necessarily mean that the idea will still have support. You also need to pay attention to who *hasn’t* spoken -- for example, if an experienced contributor hasn’t been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the `easy pickings`.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and
repeat. The shotgun approach of taking on lots of tickets and letting some
fall by the wayside ends up doing more harm than good.

* **Be rigorous** *

When we say ",pep:8", and must have docs and tests", we mean it. If a patch
doesn't have docs and tests, there had better be a good reason. Arguments
like "I couldn't find any existing tests of this feature" don't carry much
weight--while it may be true, that means you have the extra-important job of
writing the very first tests for that feature, not that you get a pass from
writing tests altogether.

.. _easy-pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

FAQ
===

1. **This ticket I care about has been ignored for days/weeks/months! What can
   I do to get it committed?**

   First off, it's not personal. Django is entirely developed by volunteers
   (except the Django fellow), and sometimes folks just don't have time. The
   best thing to do is to send a gentle reminder to the |django-developers|
   mailing list asking for review on the ticket, or to bring it up in the
   `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC
   myself?**

   Short answer: No. It's always better to get another set of eyes on a
ticket. If you're having trouble getting that second set of eyes, see
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1.129 binutils 2.31.1

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.
Support for ELF format files has been worked on by Mark Eichin of
Cygnus Solutions (original, incomplete implementation), Pete
Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner
of the Open Software Foundation (i386 mainly), and Ken Raeburn of
Cygnus Solutions (sparc, initial 64-bit support).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work
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b) Give prominent notice with the combined library of the fact
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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

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

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A "library" means a collection of software functions and/or data
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(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification").

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

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
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on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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

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

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

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

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Upstream Author(s):
Steven Knight
knight at baldmt dot com
http://www.baldmt.com/~knight/

With plenty of help from the SCons Development team:
   Chad Austin
   Charles Crain
   Steve Leblanc
   Anthony Roach

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1.140 lcms 2.7

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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  Original author of sensord.
* Bob Schlaermann
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  libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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1.144 urllib3 1.22

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# Contributions to the urllib3 project

## Creator & Maintainer

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

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

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

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

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

* p.dobrogost <http://code.google.com/u/@WBRSRiBZDhBFxQB6/>
  * Code review, PEP8 compliance, benchmark fix

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

* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support
* Brandon Rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

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

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

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

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

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

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

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

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

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

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

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition.

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support.

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields.
* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

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

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

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

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

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

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

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

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

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

* Ian Cordasco <graffaticolmingov@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 <abacadabacadaba@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 <sf6yg1ez3@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 vending

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

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1.146 opkg 0.3.6

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AUTHOR:  Michael J. McLennan
Bell Labs Innovations for Lucent Technologies
mmclennan@lucent.com
http://www.tcltk.com/itcl

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1.152 wagon-http-shared4 2.4

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1.153 strace 4.24

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1.154 p11-kit 0.23.14

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1.155 ifupdown 0.8.16

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1.164 webencodings 0.5.1
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Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1.tar.gz/webencodings-0.5.1/webencodings/x_user_defined.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1.tar.gz/webencodings-0.5.1/webencodings/tests.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1.tar.gz/webencodings-0.5.1/webencodings/labels.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1.tar.gz/webencodings-0.5.1/webencodings/__init__.py

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

from setuptools import setup, find_packages
import io
import os
import re

VERSION = re.search("VERSION = '{\d\w-+}+'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8').read().strip()).group(1)

LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8').read()

setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    maintainer='Geoffrey Sneddon',
    maintainer_email='me@gsnedders.com',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
    classifiers=[
        'Development Status :: 4 - Beta',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
    ]
)
'Programming Language :: Python',
'Programming Language :: Python :: 2',
'Programming Language :: Python :: 2.6',
'Programming Language :: Python :: 2.7',
'Programming Language :: Python :: 3',
'Programming Language :: Python :: 3.3',
'Programming Language :: Python :: 3.4',
'Programming Language :: Python :: 3.5',
'Programming Language :: Python :: 3.6',
'Programming Language :: Implementation :: CPython',
'Programming Language :: Implementation :: PyPy',
'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py
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===

webencodings.mklabels
~~~~~~~~~~~~~~~~~~~~~~

Regenerate the webencodings.labels module.

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===

import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = ['''

===

Open Source Used In FXOS-RM 2.12.0 1781
webencodings.labels

~~~~~~~~~~~~~~~~~~~

Map encoding labels to their name.

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===

# XXX Do not edit!
# This file is automatically generated by mklabels.py

LABELS = {
    []
}
labels = [
    (repr(assert_lower(label)).lstrip('u'),
     repr(encoding['name']).lstrip('u'))
    for category in json.loads(urlopen(url).read().decode('ascii'))
    for encoding in category['encodings']
    for label in encoding['labels']]
max_len = max(len(label) for label, name in labels)
parts.extend(
    "    %s:%s %s,
" % (label, ' ' * (max_len - len(label)), name)
    for label, name in labels)
parts.append('}
return ''.join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
  * /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1.1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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Metadata-Version: 1.1
Name: webencodings
Version: 0.5.1
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
Author: Geoffrey Sneddon
Author-email: me@gsnedders.com
License: BSD
Description: python-webencodings

===================
This is a Python implementation of the `WHATWG Encoding standard`<http://encoding.spec.whatwg.org/>.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker:
  https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content
when interpreting something like ``Content-Type: text/html; charset=latin1``,
tools need to use a particular set of aliases for encoding labels
as well as some overriding rules.
For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually
aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence
over any other encoding declaration.
The Encoding standard defines all such details so that implementations do
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Pythons.

Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Internet :: WWW/HTTP

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-INFO
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings.egg-info/PKG-INFO

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

python-webencodings

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This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker: https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
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* Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like `Content-Type: text/html; charset=latin1`-, tools need to use a particular set of aliases for encoding labels as well as some overriding rules.
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The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Pythons.

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1-tar-gz/webencodings-0.5.1/README.rst

1.165 attr 2.4.47

1.165.1 Available under license:

This package was debianized by Nathan Scott nathans@debian.org on Sun, 19 Nov 2000 07:37:09 -0500.

It can be downloaded from ftp://oss.sgi.com/projects/xfs/download/

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1.173 maven-aether-provider 3.0.5

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1.177 pycrypto 2.6.1
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/ *
 *
* IP-address/hostname to country converter.
 *
* Problem; you want to know where IP a.b.c.d is located.
 *
* Use ares_gethostbyname ("d.c.b.a.zz.countries.nerd.dk")
* and get the CNAME (host->h_name). Result will be:
* CNAME = zz<CC>.countries.nerd.dk with address 127.0.x.y (ver 1) or
* CNAME = <a.b.c.d>.zz.countries.nerd.dk with address 127.0.x.y (ver 2)
 *
* The 2 letter country code is in <CC> and the ISO-3166 country
* number is in x.y (number = x*256 + y). Version 2 of the protocol is missing
* the <CC> number.
 *
* Ref: http://countries.nerd.dk/more.html
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* Written by G. Vanem <gvanem@yahoo.no> 2006, 2007
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/address_sorting/address_sorting.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/address_sorting/include/address_sorting/address_sorting.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/address_sorting/address_sorting_posix.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/address_sorting/address_sorting_internal.h

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/* unzip.c -- IO for uncompress .zip files using zlib
Version 1.1, February 14h, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )

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  Modifications of Unzip for Zip64
  Copyright (C) 2007-2008 Even Rouault

  Modifications for Zip64 support on both zip and unzip
  Copyright (C) 2009-2010 Mathias Svensson ( http://result42.com )

  For more info read MiniZip_info.txt

------------------------------------------------------------------------------------
Decryption code comes from crypt.c by Info-ZIP but has been greatly reduced in terms of compatibility with older software. The following is from the original crypt.c.

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See the accompanying file LICENSE, version 2000-Apr-09 or later (the contents of which are also included in zip.h) for terms of use.
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crypt.c (full version) by Info-ZIP. Last revised: [see crypt.h]

The encryption/decryption parts of this source code (as opposed to the non-echoing password parts) were originally written in Europe. The whole source package can be freely distributed, including from the USA. (Prior to January 2000, re-export from the US was a violation of US law.)

This encryption code is a direct transcription of the algorithm from Roger Schlafly, described by Phil Katz in the file appnote.txt. This file (appnote.txt) is distributed with the PKZIP program (even in the version without encryption capabilities).

------------------------------------------------------------------------------------
Changes in unzip.c

2007-2008 - Even Rouault - Addition of cpl_unzGetCurrentFileZStreamPos
2007-2008 - Even Rouault - Decoration of symbol names unz* -> cpl_unz*
2007-2008 - Even Rouault - Remove old C style function prototypes
2007-2008 - Even Rouault - Add unzip support for ZIP64

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Oct-2009 - Mathias Svensson - Removed cpl_* from symbol names (Even Rouault added them but since this is now moved to a new project (minizip64) I renamed them again).
Oct-2009 - Mathias Svensson - Fixed problem if uncompressed size was > 4G and compressed size was <4G should only read the compressed/uncompressed size from the Zip64 format if the size from normal header was 0xFFFFFFFF
Oct-2009 - Mathias Svensson - Applied some bug fixes from patches recived from Gilles Vollant
Oct-2009 - Mathias Svensson - Applied support to unzip files with compression method BZIP2 (bzip2 lib is required)

  Patch created by Daniel Borca

Jan-2010 - back to unzip and minizip 1.0 name scheme, with compatibility layer

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/fips_module.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/fips_module.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/fipsmodule.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/fipsmodule.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/fipstools/cavp_ctr_drbg_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/fipstools/test_fips.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/fipstools/cavp_ecdsa2_pkv_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/test/file_test_gtest.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/e_aesctrhmac.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/self_check/self_check.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/ssl_versions.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/buf/buf_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/fipstools/cavp_aes_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/ctrdrbg_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/bcm.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/err/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/aes/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/bcm.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/err/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/span.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/aes/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/bcm.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/span.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/err/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/is_boringssl.h

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  1.14.1/third_party/boringssl/decrepit/cfb/cfb_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/decrepit/cfb/cfb.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/ext/filters/client_channel/connector.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/gpr/tmpfile.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/gpr/sync.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/channel/context.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/transport/transport_op_string.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/security/context/security_level/context_level.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/ext/filters/client_channel/client_channel_plugin.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/gpr/time_precise.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/src/core/lib/gpr/time_windows.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/src/core/lib/surface/channel_stack_type.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/include/grpc/impl/codegen/byte_buffer.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/src/core/lib/iomgr/resolve_address_windows.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/src/core/lib/surface/api_trace.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/src/core/lib/iomgr/sockaddr_windows.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/src/core/lib/iomgr/executor.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1.tar-gz/grpcio-1.14.1/include/grpc/implement/codegen/slice.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/iomgr/socket_posix.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/iomgr/tcp_client_windows.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/ext/transport/chttp2/transport/incoming_metadata.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/stmt/transport_security.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/iomgr/is_epollexclusive_available.h
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/surface/byte_buffer_reader.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/gpr/env_posix.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/core/ext/transport/chttp2/transport/stream_map.h

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3_int.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/ext_dat.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/v3_purp.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar-gz/grpcio-
1.14.1/src/core/tsi/alts/handlealtsalts_tsi_utils.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-1.tar-gz/grpcio-
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1.14.1/third_party/boringssl/crypto/dsa/dsa.c
/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/dsa/dsa_test.cc
/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/include/openssl/rsa.h
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* 1.14.1/third_party/boringssl/ssl/dtls_record.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
* 1.14.1/third_party/boringssl/ssl/d1_pkt.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
* 1.14.1/third_party/boringssl/ssl/d1_both.cc

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/p_dsa_asn1.c
  
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/p_ec.c
  
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/evp/p_rsa.c

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  1.14.1/third_party/boringssl/ssl/ssl_cipher.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/ssl_x509.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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/* inffas86.c is a hand tuned assembler version of
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 * *
 * Dec-29-2003 -- I added AMD64 inflate asm support. This version is also
 * slightly quicker on x86 systems because, instead of using rep movsb to copy
 * data, it uses rep movsw, which moves data in 2-byte chunks instead of single
 * bytes. I've tested the AMD64 code on a Fedora Core 1 + the x86_64 updates
 * from http://fedora.linux.duke.edu/fc1_x86_64
 * which is running on an Athlon 64 3000+ / Gigabyte GA-K8VT800M system with
 * 1GB ram. The 64-bit version is about 4% faster than the 32-bit version,
 * when decompressing mozilla-source-1.3.tar.gz.
 * *
 * Mar-13-2003 -- Most of this is derived from inffast.S which is derived from
 * the gcc -S output of zlib-1.2.0/inffast.c. Zlib-1.2.0 is in beta release at
 * the moment. I have successfully compiled and tested this code with gcc2.96,
 * gcc3.2, icc5.0, msvc6.0. It is very close to the speed of inffast.S
 * compiled with gcc -DNO_MMX, but inffast.S is still faster on the P3 with MMX
 * enabled. I will attempt to merge the MMX code into this version. Newer
 * versions of this and inffast.S can be found at
 * http://www.eeetbeetee.com/zlib/ and http://www.charm.net/~christop/zlib/
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/* inffast.c -- fast decoding
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/* Use the google proprietary format which is:
   { <kid1>: <x5091>, <kid2>: <x5092>, ... } */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/dh/dh_asn1.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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  * /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
    * 1.14.1/third_party/boringssl/ssl/d1_lib.cc

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/pkcs8.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cpu-aarch64-linux.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/poly1305/internal.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/chacha/chacha_test.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/tls13_enc.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/ssl_ctx_api.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/decrepit/evp/dss1.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/tls13_client.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/fuzz/cert.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/rand_extra/deterministic.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/rand_extra/rand_extra.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/fused-src/gtest/gtest-all.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/fused-src/gtest/gtest.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/fused-src/gmock-gtest-all.cc

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*/

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A1UEBhMCQkUxGTAXBgNVBAoTEEdsb2JhbFNpZ24gUm9vdCBDQTAeFw05ODA5MDE5
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MIIDujCCAqKgAwIBAgILBAAAABBFUta5QwDQYJKoZIhvcNAQEFBQAawVzELMAkG
A1UEBhMCQkUxGTAXBgNVBAoTEEdsb2JhbFNpZ24gUm9vdCBDQTAeFw05ODA5MDE5
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# SHA1 Fingerprint:
# SHA256 Fingerprint:

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MIIDVDCCAjygAwIBAgIDAjRWMA0GCSqGSIb3DQEBBQUAMEIxCzAJBgNVBAYTAlVT
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Z57QzqpeR+nsBqTP3UEAUBb85+5Kb1VSyShnrZHZyQZLz/Tt1k6 cdjHPTIS
tQWYVYm3ok9Ns40iXrKgyj6myQzCspLFAMf0EVEuIul6yVSAk6l5PdPcF
PseKUgzbFb59hZvLXfuKjnaZCmqqUpphLJH2urW4n0QqtevmlKXXb40U2/un
hw4EhNX/3aBd7YdSr8q0VAgf45p00drE57xNNB6peX0z5X514.hmXcXXx126nV
5fEWCmRE1aUbHFwLJhWC9kXtJHjUStedjvV0XnPO3CBWaaOcvvMM==
-----END CERTIFICATE-----
HSMEGDAwBR281Xh+qQ2+/CfXGJx7Tz0RzgQKzAOBgNVHQ8BAf8EBAMCAYYwDQYJ
KoZihvcNAQEFAQBDAggIBAByfIz+o/wGd6K1dHJd6y6SFS+z
dXkzoS9ueCokf5nfo/sm+VegglVHy/c1FEHEv6fsJ4sNcZj/NwQ6w2qgB8zNHQ
L1ExuBRAu3ugZ4T7GzKQp5y6EqgYweHzUCyiYWTigAA1i009I7z+upTqZl1f3DRgr
F5fNulH8KrUW/jm/gXwY7WB+mpbCerGR9Hixo4jorjzyX6uuy90DRXcNjW2GHSo
g/HiPqTQzSePsdMk0uBkPJKjEmpKqQa1lhoC0AZ1Dy81of3989jtx4TuY
T1U6uP+V8vSf3xYWk8lpe44L2RLrb27FcRz+8pRPPhXgPjY+RdM4kX2TGq2tbz
GDVYzvzrtL2JhJnF2Ej9Xoij8mZeoJmnMzI1+XRL601IuxpCgp8WR04We3fIpmp8m
1lXo8WorRdZsNetRcsmKbYdKzG9KV7s1KSegi+ghp4dkNl3MB2axs7lN5QV
OCiNUEw7dFQdThbHFQjorNdVq2fmBWu2+5sclMN2dKXVVHfaPKR34B7vCAAs+yWYH
6aLCr34YEoP9VhdBLLupzn29DH2canPLAempQWSqgITirvn5INSUZ8UnOOVkwX
QMAJKOSLahlt2+zNVRXXxyjopoMptEmX36vWkzah6bbyHCx+rgFW0bQLdTTR+iS
-----END CERTIFICATE-----

# Issuer: CN=Visa eCommerce Root O=VISA OU=Visa International Service Association
# Subject: CN=Visa eCommerce Root O=VISA OU=Visa International Service Association
# Label: "Visa eCommerce Root"
# Serial: 2595218077628583604802489024150565794
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----
MIIDojCCAoqgAwIBAgIQE4Y1TR0/BvLB+UWFIZAcYjANBgkqhkiG9w0BAQUFADBQ
MQswCQYDVQQGEwJVUzENMAsGA1UEChMEVklTQTEvMC0GA1UECxMmVmlzYSAngb
bWlcmNiJiFJvb3QwHhcNMDIwNjI2MDIxODM2WhcNMjIwNjI0MDAxNjEyWjBrMQsw
CQYDVQQGEwJVUzENMAsGA1UdEwEB/wQFMAMBAf8wDgYDVR0PAQH/BAQDAgEG
MIIDoaYIKoZIhvcNAQEFAQBBAggIBAByfIz+o/wGd6K1dHJd6y6SFS+z
dXkzoS9ueCokf5nfo/sm+VegglVHy/c1FEHEv6fsJ4sNcZj/NwQ6w2qgB8zNHQ
L1ExuBRAu3ugZ4T7GzKQp5y6EqgYweHzUCyiYWTigAA1i009I7z+upTqZl1f3DRgr
F5fNulH8KrUW/jm/gXwY7WB+mpbCerGR9Hixo4jorjzyX6uuy90DRXcNjW2GHSo
g/HiPqTQzSePsdMk0uBkPJKjEmpKqQa1lhoC0AZ1Dy81of3989jtx4TuY
T1U6uP+V8vSf3xYWk8lpe44L2RLrb27FcRz+8pRPPhXgPjY+RdM4kX2TGq2tbz
GDVYzvzrtL2JhJnF2Ej9Xoij8mZeoJmnMzI1+XRL601IuxpCgp8WR04We3fIpmp8m
1lXo8WorRdZsNetRcsmKbYdKzG9KV7s1KSegi+ghp4dkNl3MB2axs7lN5QV
OCiNUEw7dFQdThbHFQjorNdVq2fmBWu2+5sclMN2dKXVVHfaPKR34B7vCAAs+yWYH
6aLCr34YEoP9VhdBLLupzn29DH2canPLAempQWSqgITirvn5INSUZ8UnOOVkwX
QMAJKOSLahlt2+zNVRXXxyjopoMptEmX36vWkzah6bbyHCx+rgFW0bQLdTTR+iS
-----END CERTIFICATE-----

# Issuer: CN=AAA Certificate Services O=Comodo CA Limited
# Subject: CN=AAA Certificate Services O=Comodo CA Limited
# Label: "Comodo AAA Services root"
Open Source Used In FXOS-RM 2.12.0

--- END CERTIFICATE-----

# Issuer: CN=QuoVadis Root CA 3 O=QuoVadis Limited
# Subject: CN=QuoVadis Root CA 3 O=QuoVadis Limited
# Label: "QuoVadis Root CA 3"
# Serial: 1478

--- END CERTIFICATE-----
# Issuer: CN=Sonera Class2 CA O=Sonera
# Subject: CN=Sonera Class2 CA O=Sonera
# Label: "Sonera Class 2 Root CA"
# Serial: 29
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----
MJIDIDCAGigAwIBAgIBHITANBgkqhkiG9w0BAQUFADA5MQswCQYDVQQGEwJGSTEP
MA0GA1UEChMGU29uZXJhMRkwFwYDVQQDEExBTb25kemQ2xhc3MyIENBMB4XDTAAM
DQwNjgA3Mjk0MFoXDTIaMDQwNjgA3Mjk0MFowOTEUMaKSe1UEBhMCRkxxDzANBgNV
BAoTFlNvbmvYVTEZMBcGA1UEAaMQU29uZXJhIEhNIENBMQSwTAQDVQQIEwNhMCVM
hveNAQEBQADgEPADCCAQoCggEBABJAXjsWdyaANlde+iY3/Ei9vX+ALTU7W4+oZ
6m/AxxNjg8y9R9VBAaKQTBMEl1Dq6Q/xcHf+Js+gXGM2RXjUj4+q/TI18GbTyDlXnt
50tJv+WtKcT0Oiq6XuENmznz/V52vaTmtmdOQtiMfoRfhj8VQ7yp12W5cdCsv++u8E7s
3TmVtOgMgf+3DQmJfAbhUJUwM6TnRo4Gsc4PABi+QjVHZhIrvQHgcWctRUZx2Ej
vOr7nQKV0h5aTppCD8P0FOC4xjIP5ip7oc4HFx71hXgVB6XG0R6jDA5jDqjhu
8nYybiedwYNp3zBjotUrpBGAcVeHnfo+oAJpYok4doh28MCAwEAAaMzMDew
DwYDVROTAQHY/BAUwEwEB/zARBGwNlQ4ECgQISiqCwWTTXjwwCwYDVROPBQADAgEa
MA0GcSlsbN3DEbEQbQUAM4IBAQAzoT5fnIV50sd2ZvnoWy7nNn39y0tJy9zil
zqsWusavFDLrNAPTewr/IDva4yRXzzX9uzGxqnx9ILR/WfRLoszdov7ND6+j+/3
3DElcbCqjDiY0RZQXumUK68BFKARzjzT54xtyb1LyHr4e4PDE6c6cPn7pJnbBV
Fh450kkdaAdvphOe9ryf1BlgYerQHBCvHyHaPlo2vZBdWpsmH+Re/n5076K
Tk6ezAyNINzZRZxe7EJQY670XcSxEtizKO6gunRRaBXW37Nd4ro1tgQIKkejanZz2
ZrUYRAqmVCYO9M9IbwdR/GjOc6oyibtv8T Wy2TLHIpvwrN9M
-----END CERTIFICATE-----
# Issuer: CN=XRamp Global Certification Authority O=XRamp Security Services Inc
OU=www.xrampsecurity.com
# Subject: CN=XRamp Global Certification Authority O=XRamp Security Services Inc
OU=www.xrampsecurity.com
# Label: "XRamp Global CA Root"
# Serial: 1071089803651509692980124233745014957
# MD5 Fingerprint: a1:0b:44:eb:ca:10:da:00:0e:9e:0d:80:92:0a:da:1
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----
MJIIDMCAGigAwIBAgIQUJRs7Bjq1LzXn1ZfvdY+y+grTANBgkqhkiG9w0BAQUFADCB
gjELMakGA1UEBhBhMCVVMxHjAcBgNVBAsTfXt3d54cmFtCH4HnIY3YyaXr5LmNvBcTEk
MCIGA1UEChM5bfWfHjXAgU2jdX1jdpHkgU2yVdmjXZMGSw5jMSowKwYDVQQDEEyRY
UmFtCtCBhH9lyWwqQ2YVdGlmaWNhBIHvBBDXR0b3JpeHwHhNdCMQxMTMxTCTc
NDA0WhcNMzUMTATMDUznEs5WjCtgjELMakGA1UEBhBhMCVVMxHjAcBgNVBAsTfXt3dy
54cmFtCtCH4HnIY3YyaXr5LmNvBcTEkMCIGA1UEChM5bfWfHjXAgU2jdX1jdpHkgU2y
rnljZXMGSw5jMSowKwYDVQQDEEyRYUmFtCtCBhH9lyWwqQ2YVdGlmaWNhBIHvBBD
XR0b3JpeHwHhNdCMQxMTMxTCTc
38eM5Pe20Atp87Z0qCwulIRlRcRN8hXX4jdP5efKrK76fH67gBi6mivZZ3rXYCP

Open Source Used In FXOS-RM 2.12.0 1956
Open Source Used In FXOS-RM 2.12.0

1957

-----BEGIN CERTIFICATE-----

# Issuer: O=The Go Daddy Group, Inc. OU=Go Daddy Class 2 Certification Authority
# Subject: O=The Go Daddy Group, Inc. OU=Go Daddy Class 2 Certification Authority
# Label: "Go Daddy Class 2 CA"
# Serial: 0

-----END CERTIFICATE-----

---END CERTIFICATE-----

---END CERTIFICATE-----

---END CERTIFICATE-----
# Issuer: O=Starfield Technologies, Inc. OU=Starfield Class 2 Certification Authority  
# Subject: O=Starfield Technologies, Inc. OU=Starfield Class 2 Certification Authority  
# Label: "Starfield Class 2 CA"  
# Serial: 0  

-----BEGIN CERTIFICATE-----  
MIIEDzCCAvugAwIBAgIBADANBgkqhkiG9w0BAQUFADBoMQswCQYDVQQGEwJVUzElMCMGA1UEChMcU3RhcmZpZWFsIDkxLjEwMDAgMCAxHjEwgS4wDQYJKoZIhvcNAQEFBQADggIBAN  
-----END CERTIFICATE-----  

# Issuer: O=Government Root Certification Authority  
# Subject: O=Government Root Certification Authority  
# Label: "Taiwan GRCA"  
# Serial: 42023070807708724159991140556527066870  

-----END CERTIFICATE-----
AJoJoluOzMonWoe/ioW1mKyddGGEghU7Jzy50b2iPN86aXfTEc2pBsnBHH8eV4qNw8XR1ePaPd9JikuLqGU5ywck9G/gW/GHUt3n0p/UkIxz3/63x3nOUTb3E3eK3+qhZSVj1qgQdW8or5Bdt3CJNldBuTK4lScxw5w/cP1T3YGq2GN49thTbqGsaokQkTISG3xtKYYwvOeYHwIBCAEtuTk8001Rqov/lmr/cldhU7Jzy50b2ieTk4lScxw5w/cP1T3YGq2GN49thTbqGsaokQkTISG3xtKy

---END CERTIFICATE-----

# Issuer: CN=DigiCert Assured ID Root CA O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Assured ID Root CA O=DigiCert Inc OU=www.digicert.com
# Label: "DigiCert Assured ID Root CA"
# Serial: 17154717934120587862167799414071425081
# MD5 Fingerprint: 87:ce:0b:7b:2a:0e:49:00:e1:58:71:9b:37:a8:93:72
# SHA256 Fingerprint:

---BEGIN CERTIFICATE-----

# Issuer: CN=DigiCert Assured ID Root CA O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Assured ID Root CA O=DigiCert Inc OU=www.digicert.com
# Label: "DigiCert Assured ID Root CA"
# Serial: 17154717934120587862167799414071425081
# MD5 Fingerprint: 87:ce:0b:7b:2a:0e:49:00:e1:58:71:9b:37:a8:93:72
# SHA256 Fingerprint:

---BEGIN CERTIFICATE-----
-----BEGIN CERTIFICATE-----
MIICrjCCAjWgAwIBAgIQPLL0SAoA4v7rJDteYD7DazAKBggqhkjOPQDDAzcBmDEL
MAkGA1UEBhMCVVMxFjAUBgNVBAoTDUdlb1RydXN0IEluYy4xOTA3BgNVBAsTMChj
KSAyMDA3IEdlb1RydXN0IIEluYy4gLSBqIgYVXYoaG9yaXplZXJzIic2UGub25xeTE2
MDQGA1UEAxMrTz2OVYHJpI3QswfUHpbWEySEBZXJ0aWZpJzY2aWU9Ef1dGhvmcl0
eSAtEcyMB4XDTA3MTExNTAwMDAwMFowgZgxCzAJBgNVBAYTAlVTMRYwFAYDVQQKEw1HZ
MjB2MBAGByqGSM49BAMDA2cAMGQCMGSWWaboCd6LuvpaIjwH5HTRqjSkwCYttxZxbLkGT
q7MmdwxHLKgpzxceeeHHNgIwOlavmmRs9vu4DPTCF+nMjbn0bWtsuRBmOiBucz
rD6ogRLQy7rQkgu2pqaBAK*
-----END CERTIFICATE-----

# Issuer: CN=GeoTrust Primary Certification Authority - G2 O=GeoTrust Inc. OU=(c) 2007 GeoTrust Inc. - For authorized use only
# Subject: CN=GeoTrust Primary Certification Authority - G2 O=GeoTrust Inc. OU=(c) 2007 GeoTrust Inc. - For authorized use only
# Label: "GeoTrust Primary Certification Authority - G2"
# Serial: 8068286320381065782177908751794619243
# MD5 Fingerprint: 01:5e:d8:6b:bd:6f:3d:8e:aa:31:8f:12:e0:98:73:6a

-----BEGIN CERTIFICATE-----
MIIEuTCCA6GgAwIBAgIQQBrEZCGzEyEDDrvkEhrFHTANBgkqhkiG9w0BAQsFADCB
vTELMaGA1UEBhMCVVMxFzAVBgNVBAsTDIIZcmlTaWduLCBjMmUrMHkwHQYDVQQL
ExzWZXJpU2lnbBUcnVzdCBOZXRX3b3JrMTowOTQyZzEzOyYgMjAwOwYDVQQEY
ZXJpU2lnbBVbmlZRXJyYWw0Um9vdAkjIzU0XzI1ZjUyZGQwXzI1ZjUyZGQwXzI1ZjUyZGQw
-----END CERTIFICATE-----

# Issuer: CN=VeriSign Universal Root Certification Authority O=VeriSign, Inc. OU=VeriSign Trust Network/(c) 2008 VeriSign, Inc. - For authorized use only
# Subject: CN=VeriSign Universal Root Certification Authority O=VeriSign, Inc. OU=VeriSign Trust Network/(c) 2008 VeriSign, Inc. - For authorized use only
# Label: "VeriSign Universal Root Certification Authority"
# Serial: 8520957434084581917763752644031726877
# MD5 Fingerprint: 8e:ad:b5:01:aa:4d:81:e4:8c:1d:d1:e1:00:95:19

-----BEGIN CERTIFICATE-----
MIIEuTCCAA6GgAwIBAgIQQBrEZCGzEyEDDrvkEhrFHTANBgkqhkiG9w0BAQsFADCB

Open Source Used In FXOS-RM 2.12.0 1976

---BEGIN CERTIFICATE------

MIIEcjCCAvKgAwIBAgIJAMJ+QwRORz8ZMA0GCSqGSIb3DQEBCwUAMIGCMQswCQYD VQQGEwJVTERMA8GA1UEBwwVYXBlc3RvY3JlZWQxLjQxLjEgV25PeGFvcmxhY3Nw MjAxMSwwMDowMDoGA1UdDgQAeTBDvIBIaBDIjBgNVHRMEEMQIBM0xMD4wNDA0TDBd

# SHA256 Fingerprint:


---BEGIN CERTIFICATE------

MIIEcjCCAvKgAwIBAgIJAADoqRORz8ZMA0GCSqGSIb3DQEBCwUAMIGCMQswCQYD VQQGEwJVTERMA8GA1UEBwwVYXBlc3RvY3JlZWQxLjQxLjEgV25PeGFvcmxhY3Nw MjAxMSwwMDowMDoGA1UdDgQAeTBDvIBIaBDIjBgNVHRMEEMQIBM0xMD4wNDA0TDBd

# Issuer: CN=GlobalSign O=GlobalSign OU=GlobalSign Root CA - R3
# Subject: CN=GlobalSign O=GlobalSign OU=GlobalSign Root CA - R3
# Label: "GlobalSign Root CA - R3"
# Serial: 4835703278459759426209954
# SHA256 Fingerprint:


---END CERTIFICATE------
ve6SbzJ08pGCL72CQnqtKrcgfU28elUSwhXqvdflqIS5sdJ/PHLTychQGjhdBPy1qz
qwbdQxtRheOIWyWN7w8O5VRw7j6iPdj/3vQQF3zCepYoUz8jc173HPdwbeq7kd
iEDPfUYdx7H4c7f9g+01VTqK50cRRj70b17KSA7qWFiNi2LSv2EiZkyXCo
0q23KB56jzaYyWf/Wi3MOxw+3WKn21gZ71eyLn2KhvAotnDU0mV3HaIPZBSICN
sSi6
-----END CERTIFICATE-----

# Issuer: CN=AffirmTrust Commercial O=AffirmTrust
# Subject: CN=AffirmTrust Commercial O=AffirmTrust
# Label: "AffirmTrust Commercial"
# Serial: 8603559797964138876
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----

MIIDTDCCajSgAwIBAgICGyapsXwwDQYJKoZIhvcNAQELBQAwRDEMAkGA1UE
BhMCVVMxMDASBgNVBAoMC0FmZmlybVRydXN0MR8wHQYDVQQDDBBBBZmZpcm1UcnVz
dCBD21tZXJiaWFi3MQDTEwMDgxNzIzMTQxMjA4NiYxMTc1MDIzMDgwMDIwMjAwMF0w
MTIyMDExMDQwMDc4MDUxMDk2MjQxMDgwMDAwMjAzMQYwDQYJKBMoZw==

-----BEGIN CERTIFICATE-----

# Issuer: CN=AffirmTrust Networking O=AffirmTrust
# Subject: CN=AffirmTrust Networking O=AffirmTrust
# Label: "AffirmTrust Networking"
# Serial: 8603559797964138876
# SHA256 Fingerprint:
-----BEGIN CERTIFICATE-----
0JlzCFlemQA0w50QBuHCAki4HEoCChTqwUHK+4w1IX2COPkVpJEZNZOUbWo6xbLQ
u4mGk-ibQY8q6q4b04RrvN8NylioTv3z/4E2aFooC8k4gmVBrTwVYuEklu189pMF
u+1lz563rdTnx5yTb2E5fQ++e0BQ5v1VswJlXMBse7kqYAY5yW2AG7hsj/0Fg1xPnH
YoWizBb0gGVzrBrjn/B7S3KVdahtqy+k otZrWYuOQ9PLLvTlizq6we/qzWaVya8
GKa1qF60xr2aUN9xzuw2lreICzfXqlB2Cnp9ehehVZZCmTeJ3WArRjOuWfuAO
RtgDNrHF+QFluzEJLUb1QsHskD4o55ByrWcAnQ2P/7waj3VjHfT0+j6e
KeC2uAloGRwYQ==
-----END CERTIFICATE-----

# Issuer: CN=AffirmTrust Premium ECC O=AffirmTrust
# Subject: CN=AffirmTrust Premium ECC O=AffirmTrust
# Label: "AffirmTrust Premium ECC"
# Serial: 8401224907861490260

-----BEGIN CERTIFICATE-----
MIIB/jCCAYWgAwIBAgIIdJclisc/elQwCgYIKoZIzj0EAwMwRTELMAkGA1UEBhMC
VVmixDFASBgNVBAoMC0FmZmlybVRydXN0MSAwHgYDVQQDDBdBZmZpcm1UcnVzdCBQ
vmVtaXVtIEVQVzAdew0xNDEjRzQxMB4GA1UEAwwXQVQwDQYJKoZIhvcNAQcEBGQw
----BEGIN CERTIFICATE-----
MIIDuzCCAqOgAwIBAgIDBETAMA0GCSqGSIb3DQEBAQUAA4GAA8wDQYJKoZIhvcNAQc
-----BEGIN CERTIFICATE-----
MIIDuAIBAAImfDjI5UHiCWgAwIBAgIGG2EBAQAChGwMBAAHAwEYDVR0PEBEFAYIBT
-----END CERTIFICATE-----

# Issuer: CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority
# Subject: CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority
# Label: "Certum Trusted Network CA"
# Serial: 279744

-----BEGIN CERTIFICATE-----
Open Source Used In FXOS-RM 2.12.0  1991

---END CERTIFICATE-----

# Issuer: CN=TWCA Root Certification Authority O=TAIWAN-CA OU=Root CA
# Subject: CN=TWCA Root Certification Authority O=TAIWAN-CA OU=Root CA
# Label: "TWCA Root Certification Authority"
# Serial: 1

---END CERTIFICATE-----

# Issuer: O=SECOM Trust Systems CO.,LTD. OU=Security Communication RootCA2
# Subject: O=SECOM Trust Systems CO.,LTD. OU=Security Communication RootCA2
# Label: "Security Communication RootCA2"
# Serial: 0
Open Source Used In FXOS-RM 2.12.0 1993
A4IBAQAF73IB4XtuP7KMhjdcSKs4cNx6NJrokgcIPeg8hwAOXh1XiVXdmMikhsgop2p62OQW5k6oZnMrjquw7THZh+uTczQ2+vY7+bODrwg31BP5qWEopm95lZ6h9Q8h
TqBTbnhf6nuOuLeWdk24CAwFSKlscZry54lJtPAcPf1wa+2KIAuWw4ZJiWnNzvoc7
d5lXRSZMFpGD/mnd9U1iZ/rzAxKWeAasWfj+i+n08C9bMlN/Mh98q5YV8Aics
Nqon6N94/B2Zh/fLKPMS8N7/LcZnuEvUXBj08yrl3NI/K6s8/MT7jioOAASSXI
I7WdmplNsDz4SgbCz9Z2fOUvR9j4e

-----END CERTIFICATE-----

# Issuer: CN=Actalis Authentication Root CA O=Actalis S.p.A./03358520967
# Subject: CN=Actalis Authentication Root CA O=Actalis S.p.A./03358520967
# Label: "Actalis Authentication Root CA"
# Serial: 627144477424770508
# MD5 Fingerprint: 69:56:3d:04:be:11:6f:af

-----BEGIN CERTIFICATE-----
--- END CERTIFICATE ---

# Issuer: O=Trustis Limited OU=Trustis FPS Root CA
# Subject: O=Trustis Limited OU=Trustis FPS Root CA
# Label: "Trustis FPS Root CA"
# Serial: 3605364037539903430742849887957563710553
# SHA256 Fingerprint:

--- BEGIN CERTIFICATE ---

MIIDZzCACAkgAwIBAgIgQx+ttiD5JNM2a/hH8YygWTANBkgqkikiG9w0BAQUFADB
MQswCQYDVQQGEwJHb0QxGzAUBgGgYDVQQKBgJhY291cGxVc2UyMDIwMTAwNzUw
MA0GCSqGSIb3DQEBAQUAA4GNADAHBiQ1MB0GA1UEAw1JMS0IiLYETAWggYFVR0
MDQwGgYDVQQDDBdCdXlwYXNzIENsYXNzIDIgUm9vdCBDQTCCASIwDQYJKoZIhvc
-----END CERTIFICATE-----

# Issuer: CN=Buypass Class 2 Root CA O=Buypass AS-983163327
# Subject: CN=Buypass Class 2 Root CA O=Buypass AS-983163327
# Label: "Buypass Class 2 Root CA"
# Serial: 2
# SHA256 Fingerprint:

--- BEGIN CERTIFICATE ---

MIIFWTCCA0GgAwIBAgIBAjANBgkqhkiG9w0BAQUFADBOMQswCQYDVQQGEwJOTzEd
MBsGAIU1EcgwU0Nv5vGFezyBBu0y050DMxNjMzJ5cIDaeBgNVBAAMMF0J1eXBhc3Mg
Q2xhec3MgMiBsb290IENMB4XDTExMTAYNjAzMzgM1o0XDTQqMwMTAyNjA4MzgwM1ow
TjELMAkGAIU1EBhMT8xHATAb6gNVBAoMEJE1eXBhc3MgQVMToTgzMTyzMzI3MSAw
HgYDVQQDBDDuCdixlWYXZnIENzID1gUm9vdCBDQTCiAiwDQYJKoZIhvcNAQEBBQAD
-----END CERTIFICATE-----

Open Source Used In FXOS-RM 2.12.0 1995

## SHA256 Fingerprint:

# Issuer: CN=E-Tugra Certification Authority O=E-Tura EBG Biliim Teknolojileri ve Hizmetleri A.. OU=E-Tugra Sertifikasyon Merkezi
## Subject: CN=E-Tugra Certification Authority O=E-Tura EBG Biliim Teknolojileri ve Hizmetleri A.. OU=E-Tugra Sertifikasyon Merkezi
## Label: "E-Tugra Certification Authority"

## Serial: 7667447206703254355


## SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIFoDCCaygAwIBAgIJAQIARoFQzD3lkhezmCcvgLzZwYwDQYJKoZIhlvNAQEFBQAw
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b3QgQ0EgdjEwhcNMDcxMDE4MTItMDUwWhcnMzIxMDE4MTItMDUwWjA3MRQwEgYD
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-----END CERTIFICATE-----
Open Source Used In FXOS-RM 2.12.0

--- END CERTIFICATE-----

--- END CERTIFICATE-----

--- END CERTIFICATE-----

# Issuer: CN=USERTrust ECC Certification Authority O=The USERTRUST Network
# Subject: CN=USERTrust ECC Certification Authority O=The USERTRUST Network
# Label: "USERTrust ECC Certification Authority"
# Serial: 123013283720199481456569720443997572134
# SHA256 Fingerprint:

--- BEGIN CERTIFICATE-----

# Issuer: CN=GlobalSign O=GlobalSign OU=GlobalSign ECC Root CA
# Subject: CN=GlobalSign O=GlobalSign OU=GlobalSign ECC Root CA - R4

--- END CERTIFICATE-----
T0/Br4sOdBeo0XKlanoBScy0RnnGF7HamB4HWfp1IYV13ZBWzvurpWCdx35UrCL
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-----END CERTIFICATE-----

# Issuer: CN=IdenTrust Public Sector Root CA 1 O=IdenTrust
# Subject: CN=IdenTrust Public Sector Root CA 1 O=IdenTrust
# Label: "IdenTrust Public Sector Root CA 1"
# Serial: 1329882103494634324290512796156834393689
-----BEGIN CERTIFICATE-----

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VHjIc3QgUHViBgljFHF1N83RvcbB920lENIBDwEhHcNMTQwMTE2MTCtMzMyWhnC
MzQwMTE2MTc2MzMzMyBYJNBMQswCQYDVQQGEwJVUZoEEMBAGA1UEChMJSWRlRydXN0
MSowKAYDVQDeIyFJZGVu
-----BEGIN CERTIFICATE-----
Open Source Used In FXOS-RM 2.12.0 2019

# Issuer: CN=Entrust Root Certification Authority - EC1 O=Entrust, Inc. OU=See www.entrust.net/legal-terms/(c) 2012 Entrust, Inc. - for authorized use only
# Subject: CN=Entrust Root Certification Authority - EC1 O=Entrust, Inc. OU=See www.entrust.net/legal-terms/(c) 2012 Entrust, Inc. - for authorized use only
# Label: "Entrust Root Certification Authority - EC1"
# Serial: 51543124481930649114116133369
# SHA256 Fingerprint:
------BEGIN CERTIFICATE------
MIIC+TCCAoCgAwIBAgIINAKaLeSkAAAAAUNCR+TAKBgqqkjhjOQPQDDaZCbVzELMAkG
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# Issuer: CN=CFCA EV ROOT O=China Financial Certification Authority
# Subject: CN=CFCA EV ROOT O=China Financial Certification Authority
# Label: "CFCA EV ROOT"
# Serial: 407555286
# SHA256 Fingerprint:
------BEGIN CERTIFICATE------
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-----END CERTIFICATE-----
-----BEGIN CERTIFICATE-----
MIIFQTCCaymgAwIBAgITBmyf0pY1hp8KD+WGcPhbfruKNzANBgkqhkiG9w0BAQwFADA5MQswCQYDVQQGEwJVUzIzEMMAOAwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAMrVtU1Vz5G7qQjFGSjFr8TqAMClZp3+ZTmAjQKQowLCAOl4Cw+R+h95yvH7637ih0G5SQpXVjMjoHxg7oqGkFeXU7T4sGzJzUhUXN4y/PN7lXQfzD1i797BMfXpmOR97O4s85oIjw59yS6HU9bFzK90I7OCQrihWcN6sKwFGrn1fSlA0xL9wCMc17X16m1+MxQq2sO47RdDhTFzMrP02PnwcS2QzO5784zoiV2xJwRfHrKCKM5b0uXuUtEeJg9y3pP6+j0q29eMfR2+S3wJPG8x0U6lotRw3F4+u4GwqYaM5vn2Rxt/6nM/VhyGkgjTztfZ7h7t8m02Vz5tP3+1zKvU8W13Y1A3dM/nh2PIM6Vhd8fQI78+dXwMFO9Wl/38K+O7z2xtxTV4FXH3p3/n1Vj24x46VJUOqO9kaWkJy6u6+jydvU7r/4VAg8fP5z3Yu1/7TKEq65Cy31Gwo96V61eT0e3i5lJufU9S17G3KpfBtB3iWz8b1EAVkzLWvAXzF87knGz4khb2PzBNnthlszj2e/LU2SR9iCTLYCWf9Q5V88j9RgMV461oyv2O0p8YvW0GcHkGns85o96K5jy0s7sK25GOV/3zWn1lwM8s9k8koXl968zqYk7Y25T8yr7+iSI+RQH2/H5zXn8W1P+DQFfCmgKkPq9e20H2u9L6921V5RJg9nVh1d8z97xg8Q5+ZJ0J1hR3Qj6WE+Dr1dK4mZKfsu9U5D333Gm5X5r/W5YaJ7WzShzK0rb8G5+G/e9ygrand5h+Xl9azWJ53sm8aH7W96X5WwymG/UrU6Q936u/0UmvJ3Rh2u3142LgeB+zW4S2Fh1R7vy196YaDy87wR7uK2wD79U+cC3V2oANgQ62wDp0lTFwG+H3DyQ4pwdV1yG0Ip77Lz2u/TVlKmOz3UNLj5/3295m0s5nkoB8c9Wk3fZ9quYRy+K/I+h5v0LqC+6S8z45Ch2vU6q/PQJxH+94k5Y+2qE1qPEtuqMS7W1nO1JgH4843C9Fr5Vvz5O9XqG6Z4+ICJgwsAf5WpaFx70yjIOL/f6g8Vh36736q3rP5tRqL74K+h2X6xujQp0Z56s1mZW4262T2Vn6QvYxZ008K3T2L473gNpPzrziNk6c3gjKxN/6sGjej9mJi3rku5nn3K5NIP96RmsQeK94Lk0D7eS2v6/4H90caWt3qLYsV52x1X4eS5E7O46v7RmCgPj0q4Vc0mEyA78j6kGqK2ao1x0+vQmKnj3oYba9E+0e66o7y/Ps34xHh0vKuoK4vkt/dX63qyW9YwG72zXWY95N6oEDQ7XwG52x7Yokj0Z682XG5N9n/CjF6uaVmyB21S4+2zjUq3502aP4Yr3NVyKx8/CL9ZgDHv06WxhG2knL2WqO8c3Rb03F8QzJc8dzV7aRzuk4z0oxT72aqE0WS2t9mg585nriHgSd5fDy9OhM6xT1mS/4H3C1o7yP1w1Tzttl3sDmK3P166IvQ7Qw3xRs57m/fOLy7QmOOGKdZ01kN4RZ/rJ4vWF5m964nM7UWFF1uToqB8r/ --END CERTIFICATE-----

# Issuer: CN=Amazon Root CA 3 O=Amazon
# Subject: CN=Amazon Root CA 3 O=Amazon
# Label: "Amazon Root CA 3"
# Serial: 143266986699090766294700635381230934788665930
# SHA256 Fingerprint:

---BEGIN CERTIFICATE-----
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Open Source Used In FXOS-RM 2.12.0

------END CERTIFICATE------

# Issuer: CN=TrustCor RootCert CA-1 O=TrustCor Systems S. de R.L. OU=TrustCor Certificate Authority
# Subject: CN=TrustCor RootCert CA-1 O=TrustCor Systems S. de R.L. OU=TrustCor Certificate Authority
# Label: "TrustCor RootCert CA-1"
# Serial: 15752444095811006489
# SHA256 Fingerprint:

------BEGIN CERTIFICATE------

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--- END CERTIFICATE ---

# Issuer: CN=TrustCor RootCert CA-2 O=TrustCor Systems S. de R.L. OU=TrustCor Certificate Authority
# Subject: CN=TrustCor RootCert CA-2 O=TrustCor Systems S. de R.L. OU=TrustCor Certificate Authority
# Label: "TrustCor RootCert CA-2"
# Serial: 2711694510199101698
# SHA256 Fingerprint:

--- BEGIN CERTIFICATE ---

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--- END CERTIFICATE ---
-----BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----

# Issuer: CN=SSL.com EV Root Certification Authority ECC O=SSL Corporation
# Subject: CN=SSL.com EV Root Certification Authority ECC O=SSL Corporation
# Label: "SSL.com EV Root Certification Authority ECC"
# Serial: 318246526754555285
-----BEGIN CERTIFICATE-----
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v9DBqAIbALiICcmwXbtxBZuWCgYIKoZIzj0EAwIwzEMLAkGA1UDEhMCVVMXJzAMBgNV
BAgMBVRleGFzMRdWgYDVQQHDAdbV3zdG9maWgFgYDVQQDAKAuT0wgQ29ycG9yXRph24
xNDAYbNVBAMMK1NTTSc5b20gRVYgUm9vdCBDXJ0aWZpY2FoLuW9udEFlgdHvcmileOFB
Q0MwHhcNMTYwMjEyMTgxCNIzWhcNNDExMjEyMTgxCN

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_cython/_credentials/roots.pem
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 *
 */
/** Signal that the call is cacheable. GRPC is free to use GET verb */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/include/grpc/impl/codegen/grpcp_types.h
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/* zran.c -- example of zlib/gzip stream indexing and random access
 * Copyright (C) 2005, 2012 Mark Adler
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 * Version 1.1 29 Sep 2012  Mark Adler */

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  1.14.1/third_party/boringssl/crypto/x509v3/v3_cpols.c
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/* blast.h -- interface for blast.c
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version 1.3, 24 Aug 2013

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/srtp.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/curve25519/ed25519_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/pbkdf_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/ssl_aead_ctx.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/rand.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/test/file_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/pkcs8/pkcs8_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/poly1305/poly1305_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/refcount_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/fipsmodule/aes/aes_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/src/boringssl/err_data.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/bn_extra/bn ASN1.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/refcount_c11.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/dtls1.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/buffer.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/tool/generate ed25519.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/adig.c
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/*
 * puff.c
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 *
 * puff.c is a simple inflate written to be an unambiguous way to specify the
 * deflate format. It is not written for speed but rather simplicity. As a
 * side benefit, this code might actually be useful when small code is more
 * important than speed, such as bootstrap applications. For typical deflate
 * data, zlib's inflate() is about four times as fast as puff(). zlib's
 * inflate compiles to around 20K on my machine, whereas puff.c compiles to
 * around 4K on my machine (a PowerPC using GNU cc). If the faster decode()
 * function here is used, then puff() is only twice as slow as zlib's
 * inflate().
 *
 * All dynamically allocated memory comes from the stack. The stack required
 * is less than 2K bytes. This code is compatible with 16-bit int's and
 * assumes that long's are at least 32 bits. puff.c uses the short data type,
 * assumed to be 16 bits, for arrays in order to conserve memory. The code
 * works whether integers are stored big endian or little endian.
 *
 * In the comments below are "Format notes" that describe the inflate process
 * and document some of the less obvious aspects of the format. This source
 * code is meant to supplement RFC 1951, which formally describes the deflate
 * format:
 *
 * http://www.zlib.org/rfc-deflate.html
 */
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1.1-tar-gz/grpcio-1.14.1/third_party/zlib/contrib/puff/puff.c
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/*
* gzlib.c -- zlib functions common to reading and writing gzip files
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/test/gtest-listener_test.cc
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/x509v3/v3_ia5.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/x509v3/v3_info.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/x509v3/v3_sxnet.c
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/ssl/ssl_cert.cc

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  * 1.14.1/third_party/boringssl/include/openssl/ex_data.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  * 1.14.1/third_party/boringssl/crypto/fipsmodule/bn/gcd.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  * 1.14.1/third_party/boringssl/crypto/fipsmodule/bn/random.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  * 1.14.1/third_party/boringssl/crypto/fipsmodule/bn/prime.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  * 1.14.1/third_party/boringssl/crypto/internal.h

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1.14.1/third_party/boringssl/third_party/googletest/test/gtest_repeat_test.cc

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// +build amd64,!gccgo,!appengine

// These constants cannot be encoded in non-MOVQ immediates.
// We access them directly from memory instead.

DATA ·_121666_213(SB)/8, $996687872
GLOBL ·_121666_213(SB), 8, $8

DATA ·_2P0(SB)/8, $0xFFFFFFFFFFFDA
GLOBL ·_2P0(SB), 8, $8

DATA ·_2P1234(SB)/8, $0xFFFFFFFFF
GLOBL ·_2P1234(SB), 8, $8

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/aes/mode_wrappers.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/aes/aes.c
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// +build amd64,!gccgo,!appengine

// func cswap(inout *[5]uint64, v uint64)
TEXT cswap(SB),7,$0
MOVQ inout+0(FP),DI
MOVQ v+8(FP),SI

CMPQ SI,$1
MOVQ 0(DI),SI
MOVQ 80(DI),DX
MOVQ 8(DI),CX
MOVQ 88(DI),R8
MOVQ SI,R9
CMOVQ EQ DX,SI
CMOVQ EQ R9,DX
MOVQ CX,R9
CMOVQ EQ R8,CX
CMOVQ EQ R9,R8
MOVQ SI,0(DI)
MOVQ DX,80(DI)
MOVQ CX,8(DI)
MOVQ R8,88(DI)
MOVQ 16(DI),SI
MOVQ 96(DI),DX
MOVQ 24(DI),CX
MOVQ 104(DI),R8
MOVQ SI,R9
CMOVQ EQ DX,SI
CMOVQ EQ R9,DX
MOVQ CX,R9
CMOVQ EQ R8,CX
CMOVQ EQ R9,R8
MOVQ SI,16(DI)
MOVQ DX,96(DI)
MOVQ CX,24(DI)
MOVQ R8,104(DI)
MOVQ 32(DI),SI
MOVQ 112(DI),DX
MOVQ 40(DI),CX
MOVQ 120(DI),R8
MOVQ SI,R9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI,32(DI)
MOVQ CX,112(DI)
MOVQ DX,40(DI)
MOVQ R8,120(DI)
MOVQ 48(DI),SI
MOVQ 128(DI),DX
MOVQ 56(DI),CX
MOVQ 136(DI),R8
MOVQ SI,R9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI,48(DI)
MOVQ DX,128(DI)
MOVQ CX,56(DI)
MOVQ R8,136(DI)
MOVQ 64(DI),SI
MOVQ 144(DI),DX
MOVQ 72(DI),CX
MOVQ 152(DI),R8
MOVQ SI,R9
CMOVQEQ DX,SI
CMOVQEQ R9,DX
MOVQ CX,R9
CMOVQEQ R8,CX
CMOVQEQ R9,R8
MOVQ SI,64(DI)
MOVQ DX,144(DI)
MOVQ CX,72(DI)
MOVQ R8,152(DI)
MOVQ DL,AX
MOVQ SI,DX
RET

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/* inftrees.h -- header to use inftrees.c

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/* minizip.c -- simulate gzip using the zlib compression library
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/* compress.c -- compress a memory buffer
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/* unzip.h -- IO for uncompress .zip files using zlib
Version 1.1, February 14th, 2010
part of the MiniZip project - ( http://www.winimage.com/zLibDll/minizip.html )

Copyright (C) 1998-2010 Gilles Vollant (minizip) ( http://www.winimage.com/zLibDll/minizip.html )

Modifications of Unzip for Zip64
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Changes

See header of unzip64.c

*/

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/workarounds/workaround_cronet_compression_filter.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/workarounds/workaround_utils.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/src/core/ext/filters/workarounds/workaround_utils.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/src/core/tsi/alts/handshaker/proto/transport_security_common.proto
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/src/core/tsi/alts/handshaker/proto/handshaker.proto
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  1.14.1/src/core/lib/transport/service_config.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_xml_output_unittest.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/scripts/upload_gtest.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/test/gtest_help_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/third_party/googletest/xcode/Scripts/versiongenerate.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/scripts/gen_gtest_pred_impl.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_xml_test_utils.py
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-1-tar-gz/grpcio-
  1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_throw_on_failure_test.py
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  1.14.1/third_party/cares/cares/test/gmock-1.7.0/test/gmock_leak_test.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_test_utils.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/test/gmock_output_test.py
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/test_config.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/safestack.h
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  1.14.1/third_party/boringssl/include/openssl/objects.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/async_bio.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/rand.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/pkcs7/pkcs7_test.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/e_tls.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/poly1305.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1.1-tar-gz/grpcio-1.14.1/third_party/boringssl/include/openssl/lhash_macros.h
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/* gun.c -- simple gunzip to give an example of the use of inflateBack()*/

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/* Version 1.7 12 August 2012 Mark Adler */

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/* inffas8664.c is a hand tuned assembler version of inffast.c - fast decoding
* version for AMD64 on Windows using Microsoft C compiler
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 *
* 2005 - Adaptation to Microsoft C Compiler for AMD64 by Gilles Vollant
*
* inffas8664.c call function inffas8664fnc in inffasx64.asm
* inffasx64.asm is automatically convert from AMD64 portion of inffas86.c
*
* Dec-29-2003 -- I added AMD64 inflate asm support. This version is also
* slightly quicker on x86 systems because, instead of using rep movsb to copy
* data, it uses rep movsw, which moves data in 2-byte chunks instead of single
* bytes. I've tested the AMD64 code on a Fedora Core 1 + the x86_64 updates
* from http://fedora.linux.duke.edu/fc1_x86_64
* which is running on an Athlon 64 3000+ / Gigabyte GA-K8VT800M system with
* 1GB ram. The 64-bit version is about 4% faster than the 32-bit version,
* when decompressing mozilla-source-1.3.tar.gz.
*
* Mar-13-2003 -- Most of this is derived from inffast.S which is derived from
* the gcc -S output of zlib-1.2.0/inffast.c. Zlib-1.2.0 is in beta release at
* the moment. I have successfully compiled and tested this code with gcc2.96,
* gcc3.2, icc5.0, msvc6.0. It is very close to the speed of inffast.S
* compiled with gcc -DNO_MMX, but inffast.S is still faster on the P3 with MMX
* enabled. I will attempt to merge the MMX code into this version. Newer
* versions of this and inffast.S can be found at
* http://www.eetbeetee.com/zlib/ and http://www.charm.net/~christop/zlib/
*/

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/* blast.c
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 * version 1.3, 24 Aug 2013
 *
 * blast.c decompresses data compressed by the PKWare Compression Library.
 * This function provides functionality similar to the explode() function of
 * the PKWare library, hence the name "blast".
 *
 * This decompressor is based on the excellent format description provided by
 * Ben Rudiak-Gould in comp.compression on August 13, 2001. Interestingly, the
 * example Ben provided in the post is incorrect. The distance 110001 should
 * instead be 111000. When corrected, the example byte stream becomes:
 *
 * 00 04 82 24 25 8f 80 7f
 *
 * which decompresses to "AIAIAIAIAIAIA" (without the quotes).
 */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/runner/curve25519/const_amd64.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/runner/curve25519/ladderstep_amd64.s
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/ssl/test/runner/curve25519/mul_amd64.s
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 * />

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_cython/cygrpc.cpp
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/* Only resume if the session's version matches the negotiated
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/* gzappend -- command to append to a gzip file

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/boringssl/crypto/x509v3/pcy_node.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/third_party/boringssl/crypto/x509/x509_vpm.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/include/openssl/nid.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
  1.14.1/third_party/boringssl/crypto/obj/obj_dat.h

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/* inftree9.c -- generate Huffman trees for efficient decoding
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/* deflate.h -- internal compression state
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  * /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
    1.14.1/third_party/cares/cares/ares_data.h

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1.14.1/third_party/boringssl/include/openssl/asn1.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar-gz/grpcio-
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*/
1.14.1/third_party/cares/cares/inet_net_pton.c

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/cares/cares/test/gmock-1.7.0/gtest/test/gtest_catch_exceptions_test.py
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*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/ecdsa_extra/ecdsa_asn1.c
*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/ecdsa/ecdsa.h
*/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/fipsmodule/ecdsa/ecdsa.c
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 */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/channel.pxd.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/grpc_string.pyx.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_grpcio_metadata.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/call.pyx.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/security.pxd.pxi
1.14.1/src/python/grpcio/grpc/_common.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/beta/_metadata.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/records.pxd.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/beta/_server_adaptations.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/_auth.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/support.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/beta/_cygrpc/security.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/arguments.pxd.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/credentials.pxd.pxi
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/core/lib/debug/stats_data.yaml
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/_cython/_cygrpc/cygrpc.pxd
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc/framework/interfaces/face/utilities.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
1.14.1/src/python/grpcio/grpc.framework/interfaces/base/__init__.py
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-11-tar-gz/grpcio-
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/opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1.tar.gz/grpcio-1.14.1/third_party/boringssl/ssl/handshake.cc

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/iomgr/endpoint_pair_posix.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/include/grpc/impl/codegen/propagation_bits.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/iomgr/error.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/iomgr/polling_entity.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/iomgr/endpoint_pair_posix.cc
1.14.1/src/core/lib/surface/channel_stack_type.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar.gz/grpcio-1.14.1/include/grpc/grpc_posix.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/iomgr/pollset_uv.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1/src/core/lib/channel/channel_stack_builder.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar.gz/grpcio-1.14.1/src/core/lib/slice/slice_intern.cc
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar.gz/grpcio-1.14.1/src/core/lib/transport/pid_controller.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar.gz/grpcio-1.14.1/src/core/ext/filters/client_channel/subchannel_index.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar.gz/grpcio-1.14.1/src/core/ext/filters/client_channel/subchannel_index.h
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14.1-1-1-tar.gz/grpcio-1.14.1/src/core/ext/filters/client_channel/subchannel_index.h
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/* 1.14.1/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb.cc */
/* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio- */
/* 1.14.1/src/core/lib/backoff/backoff.h */
/* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio- */
/* 1.14.1/src/core/ext/filters/client_channel/http_connect_handshaker.h */
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/third_party/boringssl/crypto/cipher_extra/cipher_test.cc
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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/crypto/fipsmodule/bn/montgomery.c
* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-
1.14.1/third_party/boringssl/include/openssl/err.h

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1-14-1-1-tar-gz/grpcio-1.14.1/src/core/lib/slice/slice_hash_table.h
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// Inspired by Daniel J. Bernstein's public domain nistp224 implementation
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Metadata-Version: 1.1
Name: grpcio
Version: 1.14.1
Summary: HTTP/2-based RPC framework
Home-page: https://grpc.io
Author: The gRPC Authors
Package for gRPC Python.

Installation

---

gRPC Python is available for Linux, macOS, and Windows.

From PyPI

If you are installing locally...

```
$ pip install grpcio
```

Else system wide (on Ubuntu)...

```
$ sudo pip install grpcio
```

If you're on Windows make sure that you installed the `pip.exe` component when you installed Python (if not go back and install it!) then invoke:

```
$ pip.exe install grpcio
```

Windows users may need to invoke `pip.exe` from a command line ran as administrator.

n.b. On Windows and on Mac OS X one *must* have a recent release of `pip` to retrieve the proper wheel from PyPI. Be sure to upgrade to the latest version!

From Source

Building from source requires that you have the Python headers (usually a package named `python-dev`).

```
$ export REPO_ROOT=grpc  # REPO_ROOT can be any directory of your choice
$ cd $REPO_ROOT
$ git submodule update --init

# For the next two commands do `sudo pip install` if you get permission-denied errors
$ pip install -r requirements.txt
$ GRPC_PYTHON_BUILD_WITH_CYTHON=1 pip install .

You cannot currently install Python from source on Windows. Things might work out for you in MSYS2 (follow the Linux instructions), but it isn't officially supported at the moment.

Troubleshooting
~~~~~~~~~~~~~~~

Help, I ...

* **... see a** `pkg_resources.VersionConflict` **when I try to install grpc**

This is likely because `pip` doesn't own the offending dependency, which in turn is likely because your operating system's package manager owns it. You'll need to force the installation of the dependency:

```bash
code:`pip install --ignore-installed $OFFENDING_DEPENDENCY`
```

For example, if you get an error like the following:

```bash
::
Traceback (most recent call last):
File "<string>", line 17, in <module>
...
File "/usr/lib/python2.7/dist-packages/pkg_resources.py", line 509, in find
raise VersionConflict(dist, req)
pkg_resources.VersionConflict: (six 1.8.0 (/usr/lib/python2.7/dist-packages), Requirement.parse('six>=1.10'))
```

You can fix it by doing:

```bash
::
sudo pip install --ignore-installed six
```

* **... see the following error on some platforms**

::
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/tmp/pip-build-U8pSsr/cython/Cython/Plex/Scanners.c:4:20: fatal error: Python.h: No such file or directory
#include "Python.h"
^
compilation terminated.

You can fix it by installing `python-dev` package. i.e

::

  sudo apt-get install python-dev

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
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  1.14.1/third_party/boringssl/crypto/fipsmodule/bn/exponentiation.c
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   Changes

   See header of zip.h

   */

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* /opt/cola/permits/1161056020_1620445410.41/0/grpcio-1.14-1-1-tar-gz/grpcio-1.14.1/third_party/zlib/contrib/minizip/zip.h
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 *
 * Reference:
 * S.Gueron and V.Krasnov, "Fast Prime Field Elliptic Curve Cryptography with
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 */

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  1.14.1/third_party/boringssl/crypto/fipsmodule/ec/p256-x86_64.h
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Protocol Buffers for Go with Gadgets

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

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The of the start-stop-daemon

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1.189 libtomcrypt 1.17
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    #   * Implementation derived from LibTomCrypt (Tom St Denis)
    #   *
    #   * LibTomCrypt is a library that provides various cryptographic
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    #   *
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    #   *
    #   * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
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Aamir Khan <syst3m.w0rm@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Stein <aaronstein12@gmail.com>
Aaron Torres <tcboox@gmail.com>
Aaron Zinman <aaron@azinman.com>
Aarti Parikh <aarti.parikh@gmail.com>
Abdullah Al Maruf <nymail.maruf@gmail.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
Adam Harvey <aharvey@php.net>
Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Medzinski <adam.medzinski@gmail.com>
Adam Shannon <adamkshannon@gmail.com>
Adam Sindelar <adamsh@google.com>
Adam Thomason <athomason@gmail.com>
Bob Potter <bobby.potter@gmail.com>
Bobby DeSimone <bobbydesimone@gmail.com>
Bobby Powers <bobbypowers@gmail.com>
Boris Nagaev <nagaev@google.com>
Borja Clemente <borja.clemente@gmail.com>
Brad Burch <brad.burch@gmail.com>
Brad Fitzpatrick <bradfitz@golang.org> <bradfitz@gmail.com>
Brad Garcia <bgarcia@golang.org>
Brad Jones <rbjones@gmail.com>
Brad Morgan <brad@morgabra.com>
Brad Whitaker <bwhitaker@fastly.com>
Braden Bassingthwaite <bbassingthwaite@vendasta.com>
Bradley Falzon <brad@teambrad.net>
Brady Catherman <brady@gmail.com>
Brady Sullivan <brady@bsull.com>
Brandon Bennett <bbradley@gmail.com>
Brandon Gilmore <varz@google.com>
Brendan Daniel Tracey <tracey.brendan@gmail.com>
Brendan O'Dea <bod@golang.org>
Brett Cannon <bcannon@gmail.com>
Brett Merrill <brett.j.merrill94@gmail.com>
Brian Delliganti <briandelliganti@gmail.com>
Brian Downs <brian.downs@gmail.com>
Brian G. Merrell <bgm@cakemarble.com>
Brian Gitonga Marete <marete@tosnhix.com> <bgmarete@gmail.com> <bgm@google.com>
Brian Kennedy <btkennedy@gmail.com>
Brian Kessler <brian.m.kessler@gmail.com>
Brian Ketelsen <bketelsen@gmail.com>
Brian Slesinsky <skybrian@go.com>
Brian Smith <ohohvi@gmail.com>
Brian Starke <brian.starke@gmail.com>
Bryan Alexander <Kozical@msn.com>
Bryan C. Mills <bcmills@google.com>
Bryan Chan <bryan.chan@ca.ibm.com>
Bryan Ford <brynosaurus@gmail.com>
Bulat Gaifullin <gaifullinbf@gmail.com>
Burak Guven <bguven@gmail.com>
Caine Tighe <arctanofyourface@gmail.com>
Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>
Caleb Martinez <accounts@calebmartinez.com>
Caleb Spare <cespare@gmail.com>
Carl Chatfield <carlchatfield@gmail.com>
Carl Henrik Lunde <chlund@if.lund.no>
Carl Jackson <carl@stripe.com>
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Carl Mastrangelo <notcarl@gmail.com>
Carl Shapiro <cschapiro@google.com> <cschapiro@golang.org>
Carlisia Campos <carlisia@grokkingtech.io>
Carlo Alberto Ferraris <cafxx@strayorange.com>
Carlos Castillo <cookie9@gmail.com>
Carlos Cirello <uldericofilho@gmail.com>
Carlos Eduardo Seo <cseo@linux.vnet.ibm.com>
Carlos Souza <carloshrsouza@gmail.com>
Carolyn Van Slyck <me@carolynvanslyck.com>
Cary Hull <chull@google.com>
Case Nelson <case.nelson@gmail.com>
Casey Callendrello <squeed@gmail.com>
Casey Marshall <casey.marshall@gmail.com>
Catalin Nicutar <cnicutar@google.com>
Catalin Patulea <catalinp@google.com>
Cedric Staub <cs@squareup.com>
Cezar S. Espinola <cezarsa@gmail.com>
Chad Rosier <mrosier.qdt@qualcommdacenter.com>
ChaiShushan <chaishushan@gmail.com>
Channing Kimble-Brown <channing@golang.org>
Charles Fenwick Elliott <Charles@FenwickElliott.io>
Charles Kenney <charlesc.kenney@gmail.com>
Charles L. Dorian <eldorian@gmail.com>
Charles Lee <zombie.fml@gmail.com>
Charles Weill <weill@google.com>
Cherry Zhang <cherryzz@google.com>
Chew Choon Keat <choonkeat@gmail.com>
Cholerae Hu <choleraehyq@gmail.com>
Chotepud Teo <AlexRouSg@users.noreply.github.com>
Chris Ball <chris@printf.net>
Chris Biscardi <chris@christopherbiscardi.com>
Chris Broadfoot <cbro@golang.org>
Chris Dollin <ehog.hedge@gmail.com>
Chris Farmilo <chrisfarms@gmail.com>
Chris Hines <chris.cs.guy@gmail.com>
Chris Howey <howeyc@gmail.com>
Chris Hundt <hundt@google.com>
Chris Jones <chris@cjones.org> <chris.jones.yar@gmail.com>
Chris Kastorf <encryptio@gmail.com>
Chris Lennert <calennert@gmail.com>
Chris Liles <caveryliles@gmail.com>
Chris Manghane <cmang@golang.org>
Chris McGee <sirnewton_01@yahoo.ca> <newton688@gmail.com>
Chris Raynor <raynor@google.com>
Chris Roche <rodaine@gmail.com>
Chris Smith <chrsmith@users.noreply.github.com>
Chris Stockton <chrisstocktonaz@gmail.com>
Chris Zou <chriszou@ca.ibm.com>
Christian Alexander <christian@linux.com>
Christian Couder <chriscool@tuxfamily.org>
Christian Himpel <chressie@googlemail.com> <chressie@gmail.com>
Dan Harrington <harringtond@google.com>
Dan Jacques <dnj@google.com>
Dan Johnson <computerdruid@google.com>
Dan Peterson <dpiddy@gmail.com>
Dan Pupius <dan@medium.com>
Dan Sinclair <dan.sinclair@gmail.com>
Dan de Kok <me@danieldk.eu>
Daniel Fleischman <danielfleischman@gmail.com>
Daniel Ingram <ingramsds@appstate.edu>
Daniel Johansson <dajo2002@gmail.com>
Daniel Kerwin <d.kerwin@gni.net>
Daniel Krech <eikeon@eikeon.com>
Daniel Lidn <daniel.liden.87@gmail.com>
Daniel Mart <mvdan@mvdan.cc>
Daniel Morsing <daniel.morsing@gmail.com>
Daniel Nadas <dnadas@google.com>
Daniel Nephin <dnephin@gmail.com>
Daniel Ortiz Pereira da Silva <daniel.particular@gmail.com>
Daniel Skinner <daniel@dasa.cc>
Daniel Speichert <daniel@speichert.pl>
Daniel Theophanes <kardianos@gmail.com>
Daniel Upton <daniel@floppy.co>
Daniela Petruzalek <daniela.petruzalek@gmail.com>
Danny Rosseau <daniel.rosseau@gmail.com>
Daria Koliistratova <daria.koliistratova@intel.com>
Darien Raymond <admin@v2ray.com>
Darren Elwood <darren@textnode.com>
Darshan Parajuli <parajulidarshan@gmail.com>
Datong Sun <dndx@idndx.com>
Dave Borowitz <dborowitz@gmail.com>
Dave Bort <dbort@golang.org>
Dave Cheney <dave@cheney.net>
Dave Day <djd@golang.org>
Dave Grijalva <dgrijalva@ngmoco.com>
Dave MacFarlane <driusan@gmail.com>
Dave Russell <forfuncsafe@gmail.com>
David Anderson <danderson@google.com>
David Barnett <dbarnett@google.com>
David Benjamin <davidben@google.com>
David Brophy <dave@brophy.uk>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
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Dimitri Sokolyuk <sokolyuk@gmail.com>
Dimitri Tcaciuc <dtcaciuc@gmail.com>
Dina Garmash <dgrmsh@gmail.com>
Diogo Pinela <diogoid7400@gmail.com>
Dirk Gadsden <dirk@esherido.com>
Diwaker Gupta <diwakerгуpt@gmail.com>
Dmitri Popov <operator@cv.dp-net.com>
Dmitri Shuralyov <dmitshur@golang.org> <dmitri@shuralyov.com>
Dmitriy Cherchenko <dcherchenko@gmail.com>
Dmitriy Dudkin <dudkin.dmitriy@gmail.com>
Dmitriy Shelenin <deemok@googlemail.com> <deemok@gmail.com>
Dmitriy Vyukov <dvvyukov@gmail.com>
Dmitry Chestnykh <dchest@gmail.com>
Dmitry Doroginin <doroginin@gmail.com>
Dmitry Neverov <dmitry.neverov@gmail.com>
Dmitry Savintsev <dsavints@gmail.com>
Dmitry Yakunin <nonamezeil@gmail.com>
Domen Ipavec <domen@ipavec.net>
Dominic Green <dominicgreen1@gmail.com>
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Dominik Vogt <vogt@linux.vnet.ibm.com>
Don Byington <don@dbyington.com>
Donald Huang <don.hcd@gmail.com>
Dong-hee Na <donghee.na92@gmail.com>
Donovan Hide <donovanhide@gmail.com>
Doug Anderson <douga@google.com>
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Dustin Shields-Cloues <dcloues@gmail.com>
Dvir Volk <dvir@everything.me> <dvirsky@gmail.com>
Dylan Waits <dylan@waits.io>
Edan Bedrik <3d4nb3@gmail.com>
Eden Li <eden.li@gmail.com>
Eduard Urbach <e.urbach@gmail.com>
Eduardo Ramalho <eduardo.ramalho@gmail.com>
Edward Muller <edwardam@interlix.com>
Egon Elbre <egonelbre@gmail.com>
Ehren Kret <ehren.kret@gmail.com>
Eitan Adler <lists@eitanadler.com>
Evgeniy Polyakov <zbr@ioremap.net>
Ewan Chou <coocood@gmail.com>
Ewan Valentine <ewan.valentine89@gmail.com>
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Fabian Zaremba <fabian@youremail.eu>
Fabrizio Milo <mistobaan@gmail.com>
Faiyaz Ahmed <ahmedff@vmware.com>
Fan Hongjian <fan.howard@gmail.com>
Fangming Fang <fangming.fang@arm.com>
Fannie Zhang <fannie.zhang@arm.com>
Fatih Arslan <fatih@arslan.io>
Fazal Majid <majid@apsalar.com>
Fazlul Shahriar <fshahriar@gmail.com>
Federico Bond <federicobond@gmail.com>
Federico Simoncelli <f simonce@redhat.com>
Fedor Indutny <fedor@indutny.com>
Felipe Oliveira <felipeweb.programador@gmail.com>
Felix Geisendrfer <haimuiba@gmail.com>
Felix Kollmann <fk@konsorten.de>
Filip Gruszczynski <gruszczyn@gmail.com>
Filip Haglund <drathier@users.noreply.github.com>
Filip Stanis <fstanis@google.com>
Filippo Valsorda <filippo@golang.org> <filippo@cloudflare.com> <hi@filippo.io>
Firmansyah Adiputra <frm.adiputra@gmail.com>
Florian Forster <octo@gmail.com>
Florian Uekermann <florian@uekermann-online.de> <f1@uekermann-online.de>
Florian Weimer <fw@deneb.enyo.de>
Florin Patan <florinpatan@gmail.com>
Folke Behrens <folke@google.com>
Ford Hurley <ford.hurley@gmail.com>
Francesc Campoy <campoy@golang.org>
Francisco Claude <fclaude@recoded.cl>
Francisco Rojas <francisco.rojas.gallegos@gmail.com>
Francisco Souza <franciscossouza@gmail.com>
Frank Schroeder <frank.schroeder@gmail.com>
Frank Somers <fsomers@arista.com>
Frederic Guillot <frederic.guillot@gmail.com>
Frederick Kelly Mayle III <frederickmayle@gmail.com>
Frederik Ring <frederik.ring@gmail.com>
Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@gmail.com>
Fredrik Wallgren <fredrik.wallgren@gmail.com>
Frew Schmidt <github@frew.co>
Frithjof Schulze <schulze@math.uni-hannover.de> <sf rithjof@gmail.com>
Frits van Bommel <fvbommel@gmail.com>
Fumitoshi Ukai <ukai@ google.com>
G. Hussain Chinoy <ghchinoy@gmail.com>
GitHub User @pytimer (17105586) <lixin20101023@gmail.com>
GitHub User @saitarunreddy (21041941) <saitarunreddypalla@gmail.com>
GitHub User @shogo-ma (9860598) <Choroma194@gmail.com>
GitHub User @tell-k (26263) <ffk2005@gmail.com>
GitHub User @uhei (2116845) <uhei@users.noreply.github.com>
GitHub User @uuropek (39370426) <uuropek@gmail.com>
Giulio Iotti <dullgiulio@gmail.com>
Giulio Micheloni <giulio.micheloni@gmail.com>
Giuseppe Valente <gvalente@arista.com>
Gleb Stepanov <glebstepanov1992@gmail.com>
Glenn Brown <glennb@google.com>
Glenn Lewis <gmlewis@google.com>
Gordon Klaus <gordon.klaus@gmail.com>
Graham King <graham4king@gmail.com>
Graham Miller <graham.miller@gmail.com>
Grant Griffiths <gpp493@gmail.com>
Greg Poirier <greg.istehbest@gmail.com>
Greg Steuck <gnezdokgithub@gmail.com>
Greg Ward <greg@gerg.ca>
Gregoire Delattre <gregoire.delattre@gmail.com>
Gregory Man <man.gregory@gmail.com>
Guilherme Caruso <gui.martinscaruso@gmail.com>
Guilherme Garnier <guilherme.garnier@gmail.com>
Guilherme Goncalves <guilhermeaugustosg@gmail.com>
Guilherme Rezende <guilhermebr@gmail.com>
Guillaume J. Charmes <guillaume.charmes.net>
Guobiao Mei <meiguobiao@gmail.com>
Guoliang Wang <siamwgliang@gmail.com>
Gustav Paul <gustav.paul@gmail.com>
Gustav Westling <gustav@westling.xyz>
Gustavo Franco <gustavofranco@gmail.com>
Gustavo Niemeyer <gustavoniemeyer.net> <n13m3y3r@gmail.com>
Gwenael Treguier <gwenn.kahz@gmail.com>
Gyu-Ho Lee <gyuhox@gmail.com>
H. brahim Gngr <igungor@gmail.com>
Hajime Hoshi <hajimehoshi@gmail.com>
Hallgrimur Gunnarsson <halg@gmail.com>
HAMANO Tsukasa <hamano@osstech.co.jp>
Han-Wen Nienhuys <hanwen@gmail.com>
Hang Qian <hangqian90@gmail.com>
Hanjun Kim <hallazzang@gmail.com>
Harald Nordgren <haraldnordgren@gmail.com>
Hari haran <hariharan.uno@gmail.com>
Hariharan Srinath <srinathh@gmail.com>
Harley Laue <losinggeneration@gmail.com>
Harry Moreno <moreno149@gmail.com>
Harshavardhana <hrshvardhana@gmail.com>
Hauke Lffler <hloeffler@users.noreply.github.com>
Hvard Haugen <havard.haugen@gmail.com>
He Liu <liulonnie@gmail.com>
Hector Chu <hectorchu@gmail.com>
Hector Martin Cantero <hector@marcansoft.com>
Henning Schmiedehausen <henning@schmiedehausen.org>
Henrik Edwards <henrik.edwards@gmail.com>
Henrik Hodne <henrik@hodne.io>
Henry Adi Sumarto <henry.adisumarto@gmail.com>
Henry Bubert <google@mindeco.de>
Henry Chang <mr.changyuheng@gmail.com>
Henry Clifford <h.a.clifford@gmail.com>
Herbert Georg Fischer <herbert.fischer@gmail.com>
Herbie Ong <herbie@google.com>
Heschi Kreinick <heschi@gmail.com>
Hidetatsu Yaginuma <ygnmhdt@gmail.com>
Hilko Bengen <bengen@hilluzination.de>
Hiroaki Nakamura <hnakamura@gmail.com>
Hironao OTSUBO <motemen@gmail.com>
Hiroshi Ioka <hirochachacha@gmail.com>
Hitoshi Mitake <mitake.hitoshi@gmail.com>
Holden Huang <ttyh061@gmail.com>
Hong Ruiqi <hongruiqi@gmail.com>
Hongfei Tan <feilengcui008@gmail.com>
Hossein Sheikh Attar <hattar@gmail.com>
Hsin Tsao <tsao@gmail.com>
Hsin-Ho Yeh <yhh92u@gmail.com>
Hu Keping <hukeping@huawei.com>
Hugues Bruant <hugues.bruant@gmail.com>
Huy Le <huy.dinh.le.89@gmail.com>
Hyang-Ah Hana Kim <hakim@gmail.com> <hyangah@gmail.com>
Ian Cottrell <iancottrell@google.com>
Ian Davis <nospam@iandavis.com>
Ian Gudger <ian@loosescre.ws>
Ian Haken <shaken@netflix.com>
Ian Kent <iankent85@gmail.com>
Ian Lance Taylor <iant@golang.org>
Ian Leue <ian@appboy.com>
Ian Zapolsky <ianzapolsky@gmail.com>
Ibrahim AshShohail <ibra.sho@gmail.com>
Icarus Sparry <golang@icarus.freeuk.com>
Iccha Sethi <icchasethi@gmail.com>
Idora Shinatose <idora.shinatose@gmail.com>
Igor Bernstein <igorbernstein@gmail.com>
Igor Dolzhikov <bluesriverz@gmail.com>
Igor Vashyst <ivashyst@gmail.com>
Igor Zhilianin <igor.zhilianin@gmail.com>
Ilya Tocar <silya.tocar@intel.com>
INADA Naoki <songofacandy@gmail.com>
Inanc Gumus <m@inanc.io>
Ingo Gottwald <in.gottwald@gmail.com>
Ingo Krabbe <ikrabbe.ask@gmail.com>
Ingo Oeser <nightlyone@gmail.com> <nightlyone@googlemail.com>
Ioannis Georgoulas <geototti21@hotmail.com>
Irfan Sharif <irfanmahmoudsharif@gmail.com>
Irieda Noboru <irieda@gmail.com>
Isaac Ardis <isaac.ardis@gmail.com>
Isaac Wagner <ibw@isaacwagner.me>
Iskander Sharipov <iskander.sharipov@intel.com> <quasilyte@gmail.com>
Issac Trottis <issactrottis@google.com>
Ivan Babrou <ivan@cloudflare.com>
Ivan Bertona <ivan.bertona@gmail.com>
Ivan Krasin <krasin@golang.org>
Ivan Kutuzov <arbx@gmail.com>
Ivan Markin <sw@nogoest.net>
Ivan Moscoso <moscoso@gmail.com>
Ivan Sharavuev <shpiwan@gmail.com>
Ivan Ukhov <ivan.ukhov@gmail.com>
Ivy Evans <ivy@ivyevans.net>
Jaana Burcu Dogan <jbd@google.com> <jbd@golang.org> <burcujdogan@gmail.com>
Jack Britton <jackxbritton@gmail.com>
Jack Lindamood <jlindamo@justin.tv>
Jacob Baskin <jbaskin@gmail.com>
Jacob H. Haven <jacob@cloudflare.com>
Jacob Hoffman-Andrews <github@hoffman-andrews.com>
Jae Kwon <jae@tendermint.com>
Jake B <doogie1012@gmail.com>
Jakob Borg <jakob@nym.se>
Jakob Weisblat <jakobw@mit.edu>
Jakub ajka <jcajka@redhat.com>
Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com>
James Aguilar <jagular@gmail.com>
James Bardin <j.bardin@gmail.com>
James Chacon <jchacon@gmail.com>
James Clarke <jrtc27@jrtc27.com>
James Cowgill <James.Cowgill@imgtec.com>
James Craig Burley <james-github@burleyarch.com>
James David Chalfant <james.chalfant@gmail.com>
James Fysh <james.fysh@gmail.com>
James Gray <james@4k.com>
James Hartig <fastext963@gmail.com>
James Lawrence <jljatone@gmail.com>
James Meneghello <rawrz0r@gmail.com>
James Myers <jfmyers9@gmail.com>
James Neve <jamesoneve@gmail.com>
James P. Cooper <jamespcooper@gmail.com>
James Robinson <jamesr@google.com> <jamesr.gatech@gmail.com>
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Jeet Parekh <jeetparekh96@gmail.com>
Jeevanandam M <jeeva@myjeeva.com>
Jeff (Zhefu) Jiang <jeffjiang@google.com>
Jeff Craig <jeffcraig@gmail.com>
Jeff Dupont <jeff.dupont@gmail.com>
Jeff Hodges <jeff@somethingsimilar.com>
Jeff Johnson <jrjohnson@gmail.com>
Jeff R. Allen <jra@nella.org> <jeff.allen@gmail.com>
Jeff Sickel <jas@corpus-callosum.com>
Jeff Wendling <jeff@spacemonkey.com>
Jeffrey H <jeffreyh192@gmail.com>
Jelte Fennema <github-tech@jeltef.nl>
Jens Frederich <jfrederich@gmail.com>
Jeremiah Harmsen <jeremiah@gmail.com>
Jeremy Banks <__@jeremy.ca>
Jeremy Canady <jcanady@gmail.com>
Jeremy Jackins <jeremyjackins@gmail.com>
Jeremy Schlatter <jeremy.schlatter@gmail.com>
Jeroen Bobbeldijk <jerbob92@gmail.com>
Jerrin Shaji George <jerrinsg@gmail.com>
Jess Frazelle <me@jessfraz.com>
Jesse Szwedko <jesse.szwedko@gmail.com>
Jess Espino <jespinog@gmail.com>
Jianing Yu <jinyu@gmail.com>
Jianqiao Li <jianqiaoli@gmail.com>
Jihyun Yu <jyjh0502@gmail.com>
Jim Cote <jfcote87@gmail.com>
Jim Kingdon <jim@bolt.me>
Jim McGrath <jimmc2@gmail.com>
Jim Minter <jminter@redhat.com>
Jimmy Frasche <soapboxcicero@gmail.com>
Jimmy Zelinskie <jimmyzelinskie@gmail.com>
Jin-wook Jeong <jeweljar@hanmail.net>
Jingcheng Zhang <diogin@gmail.com>
Jingguo Yao <yaojingguo@gmail.com>
Jiong Du <londevil@gmail.com>
Jirka Dank <dnk@mail.muni.cz>
Juulong Wang <juulongw@gmail.com>
Joakim Sernbrant <serbaut@gmail.com>
Joe Bowbeer <joe.bowbeer@gmail.com>
Joe Cortopassi <joe@joecortopassi.com>
Joe Farrell <joe2farrell@gmail.com>
Joe Harrison <joehazzers@gmail.com>
Joe Henke <joed.henke@gmail.com>
Joe Kyo <xunianzu@gmail.com>
Joe Poirier <jdpoirier@gmail.com>
Joe Richey <joerichey@gmail.com>
Joe Shaw <joe@joeshaw.org>
Kamil Rytarowski <krytarowski@users.noreply.github.com>
Kang Hu <hukangustc@gmail.com>
Karan Dhiman <karandhi@ca.ibm.com>
Karel Pazdera <pazderak@gmail.com>
Karoly Negyesi <chx1975@gmail.com>
Karsten Khler <karsten.koehler95@gmail.com>
Kashav Madan <kshvmdn@gmail.com>
Kate Manson <kate.manson@izettle.com>
Katie Hockman <katie@golang.org>
Kato Kazuyoshi <kato.kazuyoshi@gmail.com>
Katrina Owen <katrina.owen@gmail.com>
Kaviraj Kanagaraj <kavirajkanagaraj@gmail.com>
Kay Zhu <kayzhu@gmail.com>
Kazuhiro Sera <seratch@gmail.com>
KB Sriram <kbsriram@google.com>
Keegan Carruthers-Smith <keegan.csmith@gmail.com>
Kei Son <hey.calmdown@gmail.com>
Keiji Yoshida <keiji.yoshida.mail@gmail.com>
Keith Ball <inflatablewoman@gmail.com>
Keith Randall <khr@golang.org>
Keith Rarick <krr@xph.us>
Kelsey Hightower <kelsey.hightower@gmail.com>
Kelvin Foo Chuan Lyi <vmirage@gmail.com>
Ken Friedenbach <kenlizi@cruzioc.com>
Ken Rockot <ken@oz.gs> <ken.rockot@gmail.com>
Ken Sedgwick <ken@bonsai.com>
Ken Thompson <ken@golang.org>
Kenji Kaneda <kenji.kaneda@gmail.com>
Kenji Yano <kenji.yano@gmail.com>
Kenneth Shaw <kenshaw@gmail.com>
Kenny Grant <kennygrant@gmail.com>
Kevin Ballard <kevin@sb.org>
Kevin Burke <kev@inburke.com>
Kevin Kirische <kev.kirsche@gmail.com>
Kevin Klues <klueska@gmail.com> <klueska@gmail.com>
Kevin Malachowski <chowski@gmail.com>
Kevin Ruffin <kruffin@gmail.com>
Kevin Vu <kevin.m.vu@gmail.com>
Kevin Zita <bleedgreenandgold@gmail.com>
Kieran Colford <kieran@kcolford.com>
Kim Shrier <kshrier@racktopsystems.com>
Kim Yongbin <kybinz@gmail.com>
Kir Kolyshkin <kolyshkin@gmail.com>
Kirill Smelkov <kirr@nexedi.com>
Kirk Han <kirk91.han@gmail.com>
Kirklin McDonald <kirklin.mcdonald@gmail.com>
Klaus Post <klauspost@gmail.com>
Kodie Goodwin <kodiegoodwin@gmail.com>
Lorenz Bauer <lmb@cloudflare.com>
Lorenzo Masini <rugginoso@develer.com>
Lorenzo Stoakes <lstoakes@gmail.com>
Louis Kruger <louisk@google.com>
Luan Santos <cfcluan@gmail.com>
Lubomir I. Ivanov <neolit123@gmail.com>
Luca Bruno <luca.bruno@coreos.com>
Luca Greco <luca.greco@alcacoop.it>
Lucas Bremgartner <lucas.bremgartner@gmail.com>
Lucas Clemente <lclemente@gmail.com>
Lucien Stuker <lucien.stuker@gmail.com>
Lucio De Re <lucio.dere@gmail.com>
Ludi Rehak <ludi317@gmail.com>
Luigi Riefolo <luigi.riefolo@gmail.com>
Luit van Drongelen <luitvd@gmail.com>
Luka Zakrjek <tr00.g33k@gmail.com>
Lukasz Milewski <lmmilewski@gmail.com>
Luke Curley <qpingu@gmail.com>
Luke Granger-Brown <git@lukegb.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Luuk van Dijk <lvd@golang.org> <lvd@google.com>
Lyle Franklin <lylejfranklin@gmail.com>
Lynn Boger <laboger@linux.vnet.ibm.com>
Ma Peiqi <mapeakei2017@gmail.com>
Maarten Bezemer <maarten.bezemer@gmail.com>
Maciej Dbski <maciej@gmail.com>
Magnus Hiie <magnus.hiie@gmail.com>
Maicon Costa <maiconscosta@gmail.com>
Mak Kolybabi <mak@kolybabi.com>
Maksym Trykur <maksym.trykur@gmail.com>
Mal Curtis <mal@mal.co.nz>
Manfred Touron <m@42.am>
Manigandan Dharmalingam <manigandan.jeff@gmail.com>
Manish Goregaokar <manish@manishmail.com>
Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>
Mansour Rahimi <rahimi.mrr@gmail.com>
Manu Garg <manugarg@gmail.com>
Manu S Ajith <sne@codingarena.in>
Manuel Mendez <nnmendez534@gmail.com>
Marc Weistroff <marc@weistroff.net>
Marc-Antoine Ruel <maruel@chromium.org>
Marcel Edmund Franke <marcel.edmund.franke@gmail.com>
Marcel van Lohuizen <mpvl@golang.org>
Marcelo Cantos <marcelo.cantos@gmail.com>
Marcelo E. Magallon <marcelo.magallon@gmail.com>
Marco Hennings <marc.hennings@freheit.com>
Marcus Willock <crazcalm@gmail.com>
Marga Manterola <marga@gmail.com>
Tonis Tiigi <tonistiigi@gmail.com>
Tony Reix <tony.reix@bull.net>
Tony Walker <walkert.uk@gmail.com>
Tor Andersson <tor.andersson@gmail.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Toshiki Shima <hayabusa1419@gmail.com>
Totoro W <tw19881113@gmail.com>
Travis Bischel <travis.bischel@gmail.com>
Travis Cline <travis.cline@gmail.com>
Trevor Strohman <trevor.strohman@gmail.com>
Trey Lawrence <lawrence.trey@gmail.com>
Trey Roessig <trey.roessig@gmail.com>
Trey Tacon <ttacon@gmail.com>
Tristan Amini <taminil@ca.ibm.com>
Tristan Colgate <tcolgate@gmail.com>
Tristan Oohohry <oohohry@gmail.com>
Tristan Rice <rice@fn.ie>
Troels Thomsen <troels@thomsen.io>
Trung Nguyen <trung.n.k@gmail.com>
Tudor Golubenco <tudor.g@gmail.com>
Tugdual Saunier <tugdual.saunier@gmail.com>
Tuo Shan <sturbo89@gmail.com> <shantuo@gmail.com>
Tyler Bui-Palsulich <tpalsulich@gmail.com>
Tyler Bunnell <tylerbunnell@gmail.com>
Tyler Treat <ttreat31@gmail.com>
Tzu-Jung Lee <roylee17@currant.com>
Ugorji Nwoke <ugorji@gmail.com>
Ulf Holm Nielsen <doktor@dyregod.dk>
Ulrich Kunitz <uli.kunitz@gmail.com>
Umang Parmar <umangiparmar@gmail.com>
Uriel Mangado <uriel@berlinblue.org>
Urvil Patel <patelurvil38@gmail.com>
Uttam C Pawar <uttam.c.pawar@intel.com>
Vadim Grek <vadimprog@gmail.com>
Vadim Vygonets <unixdj@gmail.com>
Val Polouchkine <vpolouch@justin.tv>
Vega Garcia Luis Alfonso <vegacom@gmail.com>
Venil Noronha <veniln@vmware.com>
Veselkov Konstantin <kostozyb@gmail.com>
Viacheslav Poturaev <vearutop@gmail.com>
Victor Chudnovsky <vchudnov@gmail.com>
Victor Vrantchan <vrancean+github@gmail.com>
Vignesh Ramachandra <vickyramachandra@gmail.com>
Vikas Kedia <vikask@google.com>
Vincent Ambo <tazjin@gmail.com>
Vincent Batts <vbatts@hashbangbash.com> <vbatts@gmail.com>
Vincent Vanackere <vincent.vanackere@gmail.com>
Vinu Rajashekar <vinutheraj@gmail.com>
Xuyang Kang <xuyangkang@gmail.com>
Yamagishi Kazutoshi <ykzts@desire.sh>
Yan Zou <yzou@gmail.com>
Yann Hodique <yhodique@google.com>
Yann Kerherv <yann.kerherve@gmail.com>
Yann Salan <yannsalaunl@gmail.com>
Yao Zhang <lunaria21@gmail.com>
Yaron de Leeuw <jarondl@gmail.com>
Yasha Bubnov <girokompass@gmail.com>
Yasuharu Goto <natsume.ono@gmail.com>
Yasuhiro Matsumoto <mattn.jp@gmail.com>
Yasuyuki Oka <yasuyk@gmail.com>
Yazen Shunnar <yazen.shunnar@gmail.com>
Yestin Sun <ylh@pdx.edu>
Yesudeep Mangalapilly <yesudeep@gmail.com>
Yissakhar Z. Beck <yissakhar.beck@gmail.com>
Yo-An Lin <yoanlin93@gmail.com>
Yohe Takeda <yo.takeda812@gmail.com>
Yongjian Xu <i3dmaster@gmail.com>
Yorman Arias <cixtords@gmail.com>
Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yoshiyuki Mineo <yoshiyuki.mineo@gmail.com>
Yosuke Akatsuka <yosuke.akatsuka@gmail.com>
Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yuji Yaginuma <yuji.yaginuma@gmail.com>
Yuki OKUSHI <huyumi.dev@gmail.com>
Yuki Yuguin Sonoda <yuguii@google.com>
Yukihiro Nishinaka <helpinal@gmail.com>
Yury Smolsky <yury@smolsky.by>
Yusuke Kagiwada <block.rxxkin.beats@gmail.com>
Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>
Zac Bergquist <zbergquist99@gmail.com>
Zach Bintliff <zbiintlf@gmail.com>
Zach Gershman <zachgersh@gmail.com>
Zachary Amsden <zach@thundertoken.com>
Zachary Gersman <zgersman@pivotal.io>
Zak <zrjknill@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zheng Dayu <davidzheng23@gmail.com>
Zheng Xu <zheng.xu@arm.com>
Zhengyu He <hzty@gmail.com>
Zhongpeng Lin <zplin@uber.com>
Zhongtao Chen <chenzhongtao@126.com>

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Mesa 3-D graphics library

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1.199 patch 2.7.6

1.200 protobuf-c 1.3.1

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1.201 tdb 1.44.3

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

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

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

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

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DEstdir)$($(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDconfig)

install-strip: install

install-shlibs-strip:: install-shlibs

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

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

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

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

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

http://sourceforge.net/projects/e2fsprogs

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

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

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

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This is the Debian GNU/Linux prepackaged version of the Common Error
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Gadi Oxman, August 1995

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1.203 tomcat-connectors 1.2.40
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PGM
CRTCMOD MODULE(MOD_JK/MOD_JK) +
SRCSTMF('/home/apache/jk/native/apache-2.0/mod_jk.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
'USE_APACHE_MD5' '_REENTRANT') +
TEXT('mod_jk.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGlvl(*EXTENDED) +
TGTRLs(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP_COM) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp_common.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +

'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp_common.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTx(*IFSIO) +
LANGVLx(*EXTENDED) +
TGTRLSx(*CURRENT) +
INCDIR('/home/apache/jk/native/common' './QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP12_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp12_worker.c') +
DEFINEx('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp12_worker.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTx(*IFSIO) +
LANGVLx(*EXTENDED) +
TGTRLSx(*CURRENT) +
INCDIR('/home/apache/jk/native/common' './QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP13) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13.c') +
DEFINEx('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTx(*IFSIO) +
LANGVLx(*EXTENDED) +
TGTRLSx(*CURRENT) +
INCDIR('/home/apache/jk/native/common' './QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP13_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13_worker.c') +
DEFINEx('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13_worker.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTx(*IFSIO) +
LANGVLx(*EXTENDED) +
TGTRLSx(*CURRENT) +
INCDIR('/home/apache/jk/native/common' './QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP14) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp14.c') +
DEFINEx('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_lb_worker.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MAP) +
SRCSTMF('/home/apache/jk/native/common/jk_map.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_map.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MD5) +
SRCSTMF('/home/apache/jk/native/common/jk_md5.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_md5.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MSG_BUF) +
SRCSTMF('/home/apache/jk/native/common/jk_msg_buff.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_msg_buff.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_POOL) +
SRCSTMF('/home/apache/jk/native/common/jk_pool.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_pool.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTX(*IFSIO) +
LANGLEVELX(*EXTENDED) +
TGTRLSX(*CURRENT) +
INCDIR('home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK.SOCKBUFU) +
SRCSTMF('home/apache/jk/native/common/jk_sockbuf.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_sockbuf.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTX(*IFSIO) +
LANGLEVELX(*EXTENDED) +
TGTRLSX(*CURRENT) +
INCDIR('home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK.URI.W.M) +
SRCSTMF('home/apache/jk/native/common/jk_uri_worker_map.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_uri_worker_map.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTX(*IFSIO) +
LANGLEVELX(*EXTENDED) +
TGTRLSX(*CURRENT) +
INCDIR('home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK.URL) +
SRCSTMF('home/apache/jk/native/common/jk_url.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
   'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_url.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALE) +
SYSIFCOPTX(*IFSIO) +
LANGLEVELX(*EXTENDED) +
TGTRLSX(*CURRENT) +
INCDIR('home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK.UTIL) +
SRCSTMF('home/apache/jk/native/common/jk_util.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
  'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_util.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_WORKER) +
SRCSTMF('/home/apache/jk/native/common/jk_worker.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
  'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_worker.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_STATUS) +
SRCSTMF('/home/apache/jk/native/common/jk_status.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
  'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_status.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_SHM) +
SRCSTMF('/home/apache/jk/native/common/jk_shm.c') +
DEFINE('AS400' 'HAVE_APR' '_XOPEN_SOURCE=520' +
  'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_shm.c') +
OPTIMIZE(40) +
LOCALETYPES(*LOCALE) +
SYSIFCOPT(*IFSIO) +
LANGLEVEL(*EXTENDED) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTSRVPGM SRVPGM(MOD_JK/MOD_JK) +
MODULE(MOD_JK/MOD_JK +
MOD_JK/JK_AJP_COM MOD_JK/JK_AJP12_W +
MOD_JK/JK_AJP13 MOD_JK/JK_AJP13_W +
MOD_JK/JK_AJP14 MOD_JK/JK_AJP14_W +
MOD_JK/JK_CONNECT MOD_JK/JK_CONTEXT +
MOD_JK/JK_LB_WORK +
MOD_JK/JK_MAP MOD_JK/JK_MD5 +
MOD_JK/JK_MSG_BUF MOD_JK/JK_POOL +
MOD_JK/JK_SOCKBUF MOD_JK/JK_URI_W_M +
MOD_JK/JK_URL +
MOD_JK/JK_UTIL MOD_JK/JK_WORKER +
MOD_JK/JK_STATUS MOD_JK/JK_SHM) +
EXPORT(*SRCFILE) +
BNDDIR() +
TGTRLS(*CURRENT) +
SRCFILE(MOD_JK/QSRVSRC) +
SRCMBR(MOD_JK) +
USRPRF(*USER) +
BDNSRVPGM(QHTTPSVR/QZSRAPR QHTTPSVR/QZSRSCORE +
QHTTPSVR/QZSRLXMLP QHTTPSVR/QZSRSDBM) +
TEXT('Apache Tomcat mod_jk connector module')
ENDPGM

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!IFDEF APACHE20_HOME
APR_LIB=libapr.lib
APU_LIB=libaprutil.lib
OUTDIR=\Release20
INTDIR=\Release20
APACHE2_HOME=$(APACHE20_HOME)
!ELSE
!IFDEF APACHE24_HOME
APACHE2_HOME=$(APACHE24_HOME)
OUTDIR=\Release24
INTDIR=\Release24
!ELSE
!IFDEF APACHE22_HOME
APACHE2_HOME=$(APACHE22_HOME)
OUTDIR=\Release22
INTDIR=\Release22
!ENDIF
!ENDIF
APR_LIB=libapr-1.lib
APU_LIB=libaprutil-1.lib
!ENDIF
!IFDEF APACHE2_HOME
!ERROR Missing APACHE2_HOME environment variable.
!ENDIF

TARGET=mod_jk$(SO_VERSION)$SO_HTTPD_VERSION
CPP=cl.exe
MTL=midl.exe
RSC=rc.exe
ARCH=X86

ALL : "$OUTDIR$TARGET.so"

CLEAN :
-@erase "$INTDIR\jk.res"
-@erase "$INTDIR\jk_ajp12_worker.obj"
-@erase "$INTDIR\jk_ajp13.obj"
-@erase "$INTDIR\jk_ajp13_worker.obj"
-@erase "$INTDIR\jk_ajp14.obj"
-@erase "$INTDIR\jk_ajp14_worker.obj"
-@erase "$INTDIR\jk_common.obj"
-@erase "$INTDIR\jk_connect.obj"
-@erase "$INTDIR\jk_context.obj"
-@erase "$INTDIR\jk_lib_worker.obj"
-@erase "$INTDIR\jk_map.obj"
-@erase "$INTDIR\jk_md5.obj"
-@erase "$INTDIR\jk_msg_buff.obj"
-@erase "$INTDIR\jk_pool.obj"
-@erase "$INTDIR\jk_shm.obj"
-@erase "$INTDIR\jk_sockbuf.obj"
-@erase "$(INTDIR)\jk_status.obj"
-@erase "$(INTDIR)\jk_uri_worker_map.obj"
-@erase "$(INTDIR)\jk_url.obj"
-@erase "$(INTDIR)\jk_util.obj"
-@erase "$(INTDIR)\jk_worker.obj"
-@erase "$(INTDIR)\mod_jk.obj"
-@erase "$(INTDIR)\mod_jk_src.idb"
-@erase "$(INTDIR)\mod_jk_src.pdb"
-@erase "$(OUTDIR)\mod_jk.exp"
-@erase "$(OUTDIR)\mod_jk.lib"
-@erase "$(OUTDIR)\$(TARGET).pdb"
-@erase "$(OUTDIR)\$(TARGET).so"

"$(OUTDIR)":
    if not exist "$(OUTDIR)\$(NULL)" mkdir "$(OUTDIR)"

BSC32=bscmake.exe
BSC32_FLAGS=/nologo /o"$(OUTDIR)\$(TARGET).bsc"
BSC32_SBRS="

LINK32=link.exe
LINK32_FLAGS=libhttpd.lib $(APR_LIB) $(APU_LIB) kernel32.lib user32.lib advapi32.lib mswsock.lib
ws2_32.lib $(EXTRA_LIBS) /nologo /base:"0x6A6B0000" /subsystem:windows /dll /incremental:no
/pdb:"$(OUTDIR)\$(TARGET).pdb" /debug /machine:$ARCH /out:"$(OUTDIR)\$(TARGET).so"
/libpath:"$(APACHE2_HOME)\lib" /opt:ref
LINK32_OBJS="
  "$(INTDIR)\jk_ajp12_worker.obj"
  "$(INTDIR)\jk_ajp12.obj"
  "$(INTDIR)\jk_ajp13.obj"
  "$(INTDIR)\jk_ajp13_worker.obj"
  "$(INTDIR)\jk_ajp14.obj"
  "$(INTDIR)\jk_ajp14_worker.obj"
  "$(INTDIR)\jk_ajp_common.obj"
  "$(INTDIR)\jk_connect.obj"
  "$(INTDIR)\jk_context.obj"
  "$(INTDIR)\jk_lb_worker.obj"
  "$(INTDIR)\jk_map.obj"
  "$(INTDIR)\jk_md5.obj"
  "$(INTDIR)\jk_msg_buff.obj"
  "$(INTDIR)\jk_pool.obj"
  "$(INTDIR)\jk shm.obj"
  "$(INTDIR)\jk_sockbuf.obj"
  "$(INTDIR)\jk_status.obj"
  "$(INTDIR)\jk_uri_worker_map.obj"
  "$(INTDIR)\jk_url.obj"
  "$(INTDIR)\jk_util.obj"
  "$(INTDIR)\jk_worker.obj"
  "$(INTDIR)\jk.res"
  "$(INTDIR)\mod_jk.obj"
"$(OUTDIR)\$(TARGET).so" : "$(OUTDIR)" $(DEF_FILE) $(LINK32_OBJS)
 $(LINK32) @<<
 $(LINK32_FLAGS) $(LINK32_OBJS)
<<
@if exist $(OUTDIR)$(TARGET).manifest \\ mt -nologo -manifest $(OUTDIR)$(TARGET).manifest -outputresource:$(OUTDIR)$(TARGET).so:2

CPP_PROJ=-nologo -MD -W3 -O2 -Ob2 -Oy- -Zi -EHsc /I "..\common" /I "$(APACHE2_HOME)\include" /D "NDEBUG" /D "WIN32" /D "_WINDOWS" $(CFLAGS) /Fo"$(INTDIR)\" /Fd"$(INTDIR)\mod_jk_src" /FD /c

.c{$(INTDIR)}.obj::
 $(CPP) @<<
 $(CPP_PROJ) $<
<<

.cpp{$(INTDIR)}.obj::
 $(CPP) @<<
 $(CPP_PROJ) $<
<<

.cxx{$(INTDIR)}.obj::
 $(CPP) @<<
 $(CPP_PROJ) $<
<<

.c{$(INTDIR)}.sbr::
 $(CPP) @<<
 $(CPP_PROJ) $<
<<

.cpp{$(INTDIR)}.sbr::
 $(CPP) @<<
 $(CPP_PROJ) $<
<<

.cxx{$(INTDIR)}.sbr::
 $(CPP) @<<
 $(CPP_PROJ) $<
<<

MTL_PROJ=/nologo /D "NDEBUG" /mktyplib203 /win32
RSC_PROJ=/l 0x409 /fo"$(INTDIR)\j$k.res" /i "..\common" /d BASENAME="mod_jk" /d "NDEBUG"
SOURCE=..\common\jk.res

"$(INTDIR)\j$k.res" : $(SOURCE) "$(INTDIR)"
$(RSC) $(RSC_PROJ) $(SOURCE)

SOURCE=..\common\jk_aJP12_worker.c

"$(INTDIR)\jk_aJP12_worker.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_aJP13.c

"$(INTDIR)\jk_aJP13.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_aJP13_worker.c

"$(INTDIR)\jk_aJP13_worker.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_aJP14.c

"$(INTDIR)\jk_aJP14.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_aJP14_worker.c

"$(INTDIR)\jk_aJP14_worker.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_aJP_common.c

"$(INTDIR)\jk_aJP_common.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_connect.c

"$(INTDIR)\jk_connect.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_context.c

"$(INTDIR)\jk_context.obj" : $(SOURCE) "$\{INTDIR\}\$(SOURCE)"

Open Source Used In FXOS-RM 2.12.0 2749
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_lb_worker.c

"$(INTDIR)\jk_lb_worker.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_map.c

"$(INTDIR)\jk_map.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_md5.c

"$(INTDIR)\jk_md5.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_msg_buff.c

"$(INTDIR)\jk_msg_buff.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_pool.c

"$(INTDIR)\jk_pool.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_shm.c

"$(INTDIR)\jk_shm.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_sockbuf.c

"$(INTDIR)\jk_sockbuf.obj" : $(SOURCE) "$(INTDIR)"
$(CPP) $(CPP_PROJ) $(SOURCE)

SOURCE=..\common\jk_status.c

"$(INTDIR)\jk_status.obj" : $(SOURCE) "$(INTDIR)"
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Written by: Philip Hazel <ph10@cam.ac.uk>

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#
#
# NetWare Makefile for mod_jk (uses build system of Apache 2.x - gnu make)
# created by Guenter Knauf <fuankg@apache.org>
#
#
# # Declare the sub-directories to be built here
#
SUBDIRS = \n$(EOLIST)
#
# # Get the 'head' of the build environment. This includes default targets and
# # paths to tools
#
include $(AP_WORK)/build/NWGNUhead.inc

#
# # build this level's files
#
#
# # Make sure all needed macro's are defined
#
JKCOMMON = ../../../common

#
# # These directories will be at the beginning of the include list, followed by
# INCDIRS
#
XINCDIRS+= \n$(JKCOMMON) \n$(APR)/include \n$(APRUTIL)/include \n$(AP_WORK)/include \n$(NWOS) \n$(EOLIST)
#
# These flags will come after CFLAGS
#
XCFLAGS+= \n$(EOLIST)
#
# These defines will come after DEFINES
#
XDEFINES+= \n-D__NOVELL_LIBC__ \n-D_POSIX_SOURCE \n$(EOLIST)
#
# These flags will be added to the link.opt file
#
XLFLAGS+= \n$(EOLIST)
#
# These values will be appended to the correct variables based on the value of
# RELEASE
#
ifeq "$(RELEASE)" "debug"
XINCDIRS+= \n$(EOLIST)

XCFLAGS+= \n$(EOLIST)

XDEFINES+= \n$(EOLIST)

XLFLAGS+= \n$(EOLIST)
endif
ifeq "$\{RELEASE\}" "noopt"
    $(EOLIST)
endif

ifeq "$\{RELEASE\}" "release"
    $(EOLIST)
endif

# These are used by the link target if an NLM is being generated
# This is used by the link 'name' directive to name the nlm. If left blank
# TARGET_nlm (see below) will be used.
# NLM_NAME= mod_jk

# This is used by the link '-desc ' directive.
# If left blank, NLM_NAME will be used.
# NLM_DESCRIPTION= Apache $(VERSION_STR) plugin for Tomcat $(JK_VERSION_STR)

# This is used by the link '-copy ' directive.
# If left blank, the ASF copyright defined in NWGNUtail.inc will be used.
# NLM_COPYRIGHT=

#
# This is used by the '-threadname' directive. If left blank, 
# NLM_NAME Thread will be used.

NLM_THREAD_NAME= JK Module

# If this is specified, it will override VERSION value in 
# $(AP_WORK)/build/NWGNUenvironment.inc 

NLM_VERSION= $(JK_VERSION)

# If this is specified, it will override the default of 64K 

NLM_STACK_SIZE= 49152

# If this is specified it will be used by the link '-entry' directive 

NLM_ENTRY_SYM= _LibCPrelude

# If this is specified it will be used by the link '-exit' directive 

NLM_EXIT_SYM= _LibCPostlude

# If this is specified it will be used by the link '-check' directive 

NLM_CHECK_SYM=

# If these are specified it will be used by the link '-flags' directive 

NLM_FLAGS= AUTOUNLOAD, PSEUDOPREEMPTION

# If this is specified it will be linked in with the XDCData option in the def 
# file instead of the default of $(NWOS)/apache.xdc. XDCData can be disabled 
# by setting APACHE_UNIPROC in the environment 

XDCDATA=

# If there is an NLM target, put it here 

TARGET_nlm = \
$(OBJDIR)/$(NLM_NAME).nlm \\
$(EOLIST)

#
# If there is an LIB target, put it here
#
TARGET_lib = \\
$(EOLIST)

#
# These are the OBJ files needed to create the NLM target above.
# Paths must all use the '/' character
#
FILES_nlm_objs = \\
$(OBJDIR)/jk_nwmain.o \\
$(OBJDIR)/jk_ajp12_worker.o \\
$(OBJDIR)/jk_ajp13.o \\
$(OBJDIR)/jk_ajp13_worker.o \\
$(OBJDIR)/jk_ajp14.o \\
$(OBJDIR)/jk_ajp14_worker.o \\
$(OBJDIR)/jk_ajp_common.o \\
$(OBJDIR)/jk_connect.o \\
$(OBJDIR)/jk_context.o \\
$(OBJDIR)/jk_lb_worker.o \\
$(OBJDIR)/jk_map.o \\
$(OBJDIR)/jk_md5.o \\
$(OBJDIR)/jk_msg_buff.o \\
$(OBJDIR)/jk_pool.o \\
$(OBJDIR)/jk_shm.o \\
$(OBJDIR)/jk_sockbuf.o \\
$(OBJDIR)/jk_status.o \\
$(OBJDIR)/jk_uri_worker_map.o \\
$(OBJDIR)/jk_url.o \\
$(OBJDIR)/jk_util.o \\
$(OBJDIR)/jk_worker.o \\
$(OBJDIR)/mod_jk.o \\
$(EOLIST)

#
# These are the LIB files needed to create the NLM target above.
# These will be added as a library command in the link.opt file.
#
FILES_nlm_libs = \\
$(NOVELLLIBC)/imports/libcpre.o \\
$(EOLIST)

#
# These are the modules that the above NLM target depends on to load.
# These will be added as a module command in the link.opt file.

FILES_nlm_modules = \n  aprlib \n  libc \n  $(EOLIST)

# If the nlm has a msg file, put it's path here

FILE_nlm_msg =

# If the nlm has a hlp file put it's path here

FILE_nlm_hlp =

# If this is specified, it will override $(NWOS)\copyright.txt.

FILE_nlm_copyright =

# Any additional imports go here

FILES_nlm_Ximports = \n  @aprlib.imp \n  @httpd.imp \n  @libc.imp \n  @ws2nlm.imp \n  $(EOLIST)

# Any symbols exported to here

FILES_nlm_exports = \n  jk_module \n  $(EOLIST)

# These are the OBJ files needed to create the LIB target above. 
# Paths must all use the '/' character

FILES_lib_objs = \n  $(EOLIST)

# # implement targets and dependancies (leave this section alone)
libs :: $(OBJDIR) $(TARGET_lib)

nlms :: libs $(TARGET_nlm)

# Updated this target to create necessary directories and copy files to the
# correct place.  (See $(AP_WORK)uild\NWGNUhead.inc for examples)
#
install :: nlms FORCE

Copy $(OBJDIR)/*.nlm $(INSTALL)\Apache2\modules\*. *

# Any specialized rules here
#

vpath %.c $(JKCOMMON)

$(OBJDIR)/version.inc: $(JKCOMMON)/jk_version.h $(OBJDIR)

@echo Creating $@
@awk -f ../../support/get_ver.awk $< > $@

# Include the version info retrieved from jk_version.h
#
-include $(OBJDIR)/version.inc

# Include the 'tail' makefile that has targets that depend on variables defined
# in this makefile
#
include $(AP_WORK)/build/NWGNUtail.inc

PGM
CRTCMT MODUcLE(MOD_JK/MOD_JK) +
   SRCSTMF('/home/apache/jk/native/apache-2.0/mod_jk.c') +
   DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
      '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('mod_jk.c') +
OPTIMIZE(40) +
LOCALETYPcE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_AJP_COM) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp_common.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp_common.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSFROPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_AJP12_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp12_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp12_worker.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSFROPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_AJP13) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSFROPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMMOD MODULE(MOD_JK/JK_AJP13_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp13_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
        '_XOPEN_SOURCE=520' + 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_ajp13_worker.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP14) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp14.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT' +
TEXT('jk_ajp14.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_AJP14_W) +
SRCSTMF('/home/apache/jk/native/common/jk_ajp14_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT' +
TEXT('jk_ajp14_worker.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_CONNECT) +
SRCSTMF('/home/apache/jk/native/common/jk_connect.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT' +
   'USE_SO_RCVTIMEO' + 'USE_SO SNDTIMEO' ) +
TEXT('jk_connect.c') +
OPTIMIZE(40) +
LOCALETYPEx(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_CONTEXT) +
SRCSTMF('/home/apache/jk/native/common/jk_context.c') +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_MSG_BUF) +
SRCSTMF('/home/apache/jk/native/common/jk_msg_buf.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_msg_buf.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_POOL) +
SRCSTMF('/home/apache/jk/native/common/jk_pool.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_pool.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_SOCKBUF) +
SRCSTMF('/home/apache/jk/native/common/jk_sockbuf.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_sockbuf.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGLVL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_URI_W_M) +
SRCSTMF('/home/apache/jk/native/common/jk_uri_worker_map.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
    '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_uri_worker_map.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TERASPCE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_URL) +
SRCSTMF('/home/apache/jk/native/common/jk_url.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_url.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TERASPCE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_UTIL) +
SRCSTMF('/home/apache/jk/native/common/jk_util.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_util.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TERASPCE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_WORKER) +
SRCSTMF('/home/apache/jk/native/common/jk_worker.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_worker.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TERASPCE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

CRTCMOD MODULE(MOD_JK/JK_STATUS) +
SRCSTMF('/home/apache/jk/native/common/jk_status.c') +
DEFINE('AS400' 'AS400_UTF8' 'HAVE_APR' +
   '_XOPEN_SOURCE=520' 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_status.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANG_LVL(*EXTENDED) +
TERASPCE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common' '/QIBM/ProdData/HTTPA/Include')

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'_XOPEN_SOURCE=520 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_status.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGVOL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTC_MOD MODULE(MOD_JK/JK_SHM) +
SRCSTMF('/home/apache/jk/native/common/jk_shm.c') +
DEFINE('AS400 'AS400_UTF8 'HAVE_APR' +
'_XOPEN_SOURCE=520 'USE_APACHE_MD5' '_REENTRANT') +
TEXT('jk_shm.c') +
OPTIMIZE(40) +
LOCALETYPE(*LOCALEUTF) +
SYSIFCOPT(*IFSIO) +
LANGVOL(*EXTENDED) +
TERASPACE(*YES) +
TGTRLS(*CURRENT) +
INCDIR('/home/apache/jk/native/common '/QIBM/ProdData/HTTPA/Include')

CRTRVPGM SRVPGM(MOD_JK/MOD_JK) +
MODULE(MOD_JK/MOD_JK +
   MOD_JK/JK_AJP12 MOD_JK/JK_AJP12_W +
   MOD_JK/JK_AJP13 MOD_JK/JK_AJP13_W +
   MOD_JK/JK_AJP14 MOD_JK/JK_AJP14_W +
   MOD_JK/JK_CONNECT MOD_JK/JK_CONTEXT +
   MOD_JK/JK_LB_WORK +
   MOD_JK/JK_MAP MOD_JK/JK_MD5 +
   MOD_JK/JK_MSG_BUF MOD_JK/JK_POOL +
   MOD_JK/JK_SOCKBUF MOD_JK/JK_URI_W_M +
   MOD_JK/JK_URL +
   MOD_JK/JK_UTIL MOD_JK/JK_WORKER +
   MOD_JK/JK_STATUS MOD_JK/JK_SHM) +
EXPORT(*SRCFILE) +
BNDDIR() +
TGTRLS(*CURRENT) +
SRCFILE(MOD_JK/QSRVSRC) +
SRCMBR(MOD_JK) +
USRPRF(*USER) +
BNDSRVPGM(QHTTPSVR/QZSRAPR QHTTPSVR/QZSRCORE +
   QHTTPSVR/QZSRXMLP QHTTPSVR/QZSRSDBM) +
TEXT('Apache Tomcat mod_jk connector module')

ENDPGM
1.204 readline 7.0

1.204.1 Available under license:

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

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

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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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1.212 crs-z-agent 0.6.0

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# Jackson JSON processor

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

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Version 2, June 1991

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A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

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

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

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

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

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@example
@end example

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@end example

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@end example
'Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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

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

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 */
/* mman.h 8.2 (Berkeley) 1/9/95 */

#define TARGET_FREEBSD_MAP_RESERVED0080 0x0080 /* previously misimplemented MAP_INHERIT */
#define TARGET_FREEBSD_MAP_RESERVED0100 0x0100 /* previously unimplemented MAP_NOEXTEND */
#define TARGET_FREEBSD_MAP_STACK 0x0400 /* region grows down, like a stack */
#define TARGET_FREEBSD_MAP_NOSYNC 0x0800 /* page to but do not sync underlying file */

#define TARGET_FREEBSD_MAP_FLAGMASK 0x1ff7


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   * @(#)mman.h 8.2 (Berkeley) 1/9/95 */

#define TARGET_NETBSD_MAP_INHERIT 0x0080 /* region is retained after exec */
#define TARGET_NETBSD_MAP_TRYFIXED 0x0400 /* attempt hint address, even within break */
#define TARGET_NETBSD_MAP_WIRED 0x0800 /* mlock() mapping when it is established */
#define TARGET_NETBSD_MAP_STACK 0x2000 /* allocated from memory, swap space (stack) */

#define TARGET_NETBSD_MAP_FLAGMASK 0x3ff7


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* @(#)/mman.h 8.1 (Berkeley) 6/2/93 */

#define TARGET_OPENBSD_MAP_INHERIT 0x0080 /* region is retained after exec */
#define TARGET_OPENBSD_MAP_NOEXTEND 0x0100 /* for MAP_FILE, don't change file size */
#define TARGET_OPENBSD_MAP_TRYFIXED 0x0400 /* attempt hint address, even within heap */

#define TARGET_OPENBSD_MAP_FLAGMASK 0x17f7

// XXX
#define TARGET_BSD_MAP_FLAGMASK 0x3ff7

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Linus Torvalds

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# Default configuration for sparc-bsd-user
/* $OpenBSD: errno.h,v 1.20 2007/09/03 14:37:52 millert Exp $ */
/* $NetBSD: errno.h,v 1.10 1996/01/20 01:33:53 jtc Exp $ */

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 @(#)errno.h 8.5 (Berkeley) 1/21/94

#define TARGET_EPERM 1 /* Operation not permitted */
define TARGET_ENOENT 2 /* No such file or directory */
define TARGET_ESRCH 3 /* No such process */
define TARGET_EINTR 4 /* Interrupted system call */
define TARGET_EIO 5 /* Input/output error */
define TARGET_ENXIO 6 /* Device not configured */
define TARGET_E2BIG 7 /* Argument list too long */
define TARGET_ENOEXEC 8 /* Exec format error */
define TARGET_EBADF 9 /* Bad file descriptor */
define TARGET_ECHILD 10 /* No child processes */
define TARGET_EDeadLK 11 /* Resource deadlock avoided */
/* 11 was EAGAIN */
define TARGET_ENOMEM 12 /* Cannot allocate memory */
define TARGET_EACCES 13 /* Permission denied */
define TARGET_EFAULT 14 /* Bad address */
define TARGET_ENOTBLK 15 /* Block device required */
define TARGET_EBUSY 16 /* Device busy */
#define TARGET_EEXIST           17              /* File exists */
#define TARGET_EXDEV            18              /* Cross-device link */
#define TARGET_ENODEV           19              /* Operation not supported by device */
#define TARGET_ENOTDIR          20              /* Not a directory */
#define TARGET_EISDIR           21              /* Is a directory */
#define TARGET_EINVAL           22              /* Invalid argument */
#define TARGET_ENFILE           23              /* Too many open files in system */
#define TARGET_EMFILE           24              /* Too many open files */
#define TARGET_ENOTTY           25              /* Inappropriate ioctl for device */
#define TARGET_ETXTBSY          26              /* Text file busy */
#define TARGET_EFBIG            27              /* File too large */
#define TARGET_ENOSPC           28              /* No space left on device */
#define TARGET_ESPIPE           29              /* Illegal seek */
#define TARGET_EMLINK           31              /* Too many links */
#define TARGET_EINVAL           33              /* Numerical argument out of domain */
#define TARGET_ERANGE           34              /* Result too large */
#define TARGET_EAGAIN           35              /* Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK      EAGAIN          /* Operation would block */
#define TARGET_EINPROGRESS      36              /* Operation now in progress */
#define TARGET_EALREADY 37              /* Operation already in progress */
#define TARGET_EDOM             33              /* Numerical argument out of domain */
#define TARGET_ERANGE           34              /* Result too large */
#define TARGET_EAGAIN           35              /* Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK      EAGAIN          /* Operation would block */
#define TARGET_EINPROGRESS      36              /* Operation now in progress */
#define TARGET_EALREADY 37              /* Operation already in progress */
#define TARGET_ENOTSOCK 38              /* Socket operation on non-socket */
#define TARGET_EDESTADDRREQ     39              /* Destination address required */
#define TARGET_EMSGSIZE 40              /* Message too long */
#define TARGET_EPROTOTYPE       41              /* Protocol wrong type for socket */
#define TARGET_ENOPROTOOPT      42              /* Protocol not available */
#define TARGET_EPROTONOSUPPORT  43              /* Protocol not supported */
#define TARGET_ESOCKTNOSUPPORT  44              /* Socket type not supported */
#define TARGET_EOPNOTSUPP       45              /* Operation not supported */
#define TARGET_EPFNOSUPPORT     46              /* Protocol family not supported */
#define TARGET_EAFNOSUPPORT     47              /* Address family not supported by protocol family */
#define TARGET_EADDRINUSE       48              /* Address already in use */
#define TARGET_EADDRNOTAVAIL    49              /* Can't assign requested address */
#define TARGET_ENETDOWN 50              /* Network is down */
#define TARGET_ENETUNREACH      51              /* Network is unreachable */
#define TARGET_ENETRESET        52              /* Network dropped connection on reset */
#define TARGET_ECONNABORTED     53              /* Software caused connection abort */
#define TARGET_ECONNRESET       54              /* Connection reset by peer */
#define TARGET_ENOBUFS          55              /* No buffer space available */
#define TARGET_EISCONN  56  /* Socket is already connected */
#define TARGET_ENOTCONN 57  /* Socket is not connected */
#define TARGET_ESHUTDOWN 58  /* Can't send after socket shutdown */
#define TARGET_ETOOMANYREFS 59  /* Too many references: can't splice */
#define TARGET_ETIMEDOUT 60  /* Operation timed out */
#define TARGET_ECONNREFUSED 61  /* Connection refused */

#define TARGET_ELOOP 62  /* Too many levels of symbolic links */
#define TARGET_ENAMETOOLONG 63  /* File name too long */

/* should be rearranged */
#define TARGET_EHOSTDOWN 64  /* Host is down */
#define TARGET_EHOSTUNREACH 65  /* No route to host */
#define TARGET_ENOTEMPTY 66  /* Directory not empty */

/* quotas & mush */
#define TARGET_EPROCLIM 67  /* Too many processes */
#define TARGET_EUSERS 68  /* Too many users */
#define TARGET_EDQUOT 69  /* Disk quota exceeded */

/* Network File System */
#define TARGET_ESTALE 70  /* Stale NFS file handle */
#define TARGET_EREMOTE 71  /* Too many levels of remote in path */
#define TARGET_EBADRPC 72  /* RPC struct is bad */
#define TARGET_ERPCMISMATCH 73  /* RPC version wrong */
#define TARGET_EPROGUNAVAIL 74  /* RPC prog. not avail */
#define TARGET_EPROGMISMATCH 75  /* Program version wrong */
#define TARGET_EPROCUNAVAIL 76  /* Bad procedure for program */

#define TARGET_ENOLCK 77  /* No locks available */
#define TARGET_ENOSYS 78  /* Function not implemented */

#define TARGET_EFTYPE 79  /* Inappropriate file type or format */
#define TARGET_EAUTH 80  /* Authentication error */
#define TARGET_ENEEDAUTH 81  /* Need authenticator */
#define TARGET_EIPSEC 82  /* IPsec processing failure */
#define TARGET_ENOATTR 83  /* Attribute not found */
#define TARGET_EILSEQ 84  /* Illegal byte sequence */
#define TARGET_ENOMEMEDIUM 85  /* No medium found */
#define TARGET_EMEDIUMTYPE 86  /* Wrong Medium Type */
#define TARGET_EOVERFLOW 87  /* Conversion overflow */
#define TARGET_ECANCELED 88  /* Operation canceled */
#define TARGET_EIDRM 89  /* Identifier removed */
#define TARGET_ENOMSG 90  /* No message of desired type */
#define TARGET_ELAST 90  /* Must be equal largest errno */

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=======

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/*

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{ TARGET_FREEBSD_NR___acl_accheck_file, "__acl_accheck_file", "%s("\%s\", %d, \%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_accheck_link, "__acl_accheck_link", "%s("\%s\", %d, \%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_fd, "__acl_delete_fd", "%s(%d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_file, "__acl_delete_file", "%s("\%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_link, "__acl_delete_link", "%s("\%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_fd, "__acl_get_fd", "%s(%d, %d, \%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_file, "__acl_get_file", "%s("\%s\", %d, \%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_link, "__acl_get_link", "%s("\%s\", %d, \%#x)", NULL, NULL },
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{ TARGET_FREEBSD_NR___syscall, "__syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___sysctl, "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR__umtx_op, "_umtx_op", "%s(%#x, %d, %d, \%#x, \%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_accept, "accept", "%s(%d,\%#x,\%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_access, "access", "%s("\%s\",%#o)", NULL, NULL },
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{ TARGET_FREEBSD_NR_chmod, "chmod", "%s("\%s\",%#o)\", NULL, NULL },
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{ TARGET_FREEBSD_NR_chroot, "chroot", "chroot", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_clock_gettime, "clock_gettime", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_eaccess, "eaccess", "%s("\%s\",%\#x)\", NULL, NULL },
{ TARGET_FREEBSD_NR_execve, "execve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)\n", NULL, NULL },
{ TARGET_FREEBSD_NR_extattrctl, "extattrctl", "%s("\%s\", %d, \"\%s\", %d, \"\%s\"")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_fd, "extattr_delete_fd", "%s(%d, %d, \"\%s\")", NULL, NULL },
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{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(%d, %d, %d)", NULL, NULL },
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{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%#x)", NULL, NULL },
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{ TARGET_FREEBSD_NR_thr_wake, "thr_wake", "%s(%d)", NULL, NULL },
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{ TARGET_FREEBSD_NR_unlink, "unlink", "%s("%s")", NULL, NULL },
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{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_write, "write", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d,%p,%#x)", NULL, NULL },

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

# Default configuration for i386-bsd-user

ifndef TOP
    TOP = $(shell while ! test -e make.rules; do cd .. ; done; pwd)
endif
export TOP

include $(TOP)/make.rules

SUBDIRS=
ifeq ($(SNK_BIOSEMU_APPS), 1)
    SUBDIRS += x86emu
endif
CLEANSUBDIRS = $(SUBDIRS)
all:
for subdir in $(SUBDIRS) ; do $(MAKE) -C $$subdir} || exit 1 ; done

# Common targets for all subdirectories:
clean distclean depend:
for subdir in $(CLEANSUBDIRS) ; do $(MAKE) -C $$subdir} $@ ; done
# Default configuration for sparc64-bsd-user
#****************************************************************************
#* Copyright (c) 2004, 2008 IBM Corporation
#* All rights reserved.
#* This program and the accompanying materials
#* are made available under the terms of the BSD License
#* which accompanies this distribution, and is available at
#* http://www.opensource.org/licenses/bsd-license.php
#*
#* Contributors:
#* IBM Corporation - initial implementation
#****************************************************************************/
ifndef TOP
TOP = $(shell while ! test -e make.rules; do cd .. ; done; pwd)
endif
include $(TOP)/make.rules
ROOTDIR ?= ../..

LDFLAGS=
ASFLAGS= -I./include -Wa,-mregnames

#NOTE: -DDEBUG only needed for debugging/tracing...
CFLAGS= -UDEBUG -m64 -I. -I./include -I$(TOP)/clients/net-snk/include -I$(ROOTDIR)/include -I$(ROOTDIR)/lib/libc/include -O3 -nostdinc -fno-builtin -ffreestanding -Wall -Wno-unused

X86EMU_OBJS= debug.o decode.o fpu.o ops2.o ops.o prim_ops.o sys.o

%.o: %.S
$(CC) $(ASFLAGS) -c -o $@ $^ 

%.o: %.c
$(CC) $(CFLAGS) -c -o $@ $^ 

all: libx86emu.a
libx86emu.a: $(X86EMU_OBJS)
$(AR) -rc $@ $^
$(RANLIB) $@

clean:
$(RM) *.o *.i *.s libx86emu.a
distclean: clean

/* $OpenBSD: syscall.h,v 1.101 2008/03/16 19:43:41 otto Exp */

/*
* System call numbers.
*
* created from; OpenBSD: syscalls.master,v 1.90 2008/03/16 19:42:57 otto Exp
*/

#define TARGET_OPENBSD_NR_syscall  0
#define TARGET_OPENBSD_NR_exit     1
#define TARGET_OPENBSD_NR_fork     2
#define TARGET_OPENBSD_NR_read     3
#define TARGET_OPENBSD_NR_write    4
#define TARGET_OPENBSD_NR_open     5
#define TARGET_OPENBSD_NR_close    6
#define TARGET_OPENBSD_NR_wait4    7
#define TARGET_OPENBSD_NR_link     9
#define TARGET_OPENBSD_NR_unlink   10
#define TARGET_OPENBSD_NR_chdir    12
#define TARGET_OPENBSD_NR_fchdir   13
#define TARGET_OPENBSD_NR_mknod    14
#define TARGET_OPENBSD_NR_chmod    15
#define TARGET_OPENBSD_NR_chown    16
#define TARGET_OPENBSD_NR_break    17
#define TARGET_OPENBSD_NR_getpid   20
#define TARGET_OPENBSD_NR_mount    21
#define TARGET_OPENBSD_NRUnmount  22
#define TARGET_OPENBSD_NR_setuid   23
#define TARGET_OPENBSD_NR_getuid   24
#define TARGET_OPENBSD_NR_geteuid  25
#define TARGET_OPENBSD_NR_ptrace   26
#define TARGET_OPENBSD_NR_recvmsg  27
#define TARGET_OPENBSD_NR_sendmsg  28
#define TARGET_OPENBSD_NR_recvfrom 29
#define TARGET_OPENBSD_NR_accept   30
#define TARGET_OPENBSD_NR_getpeerm 31
#define TARGET_OPENBSD_NR_getsockname 32
#define TARGET_OPENBSD_NR_access  33
#define TARGET_OPENBSD_NR_chflags  34
#define TARGET_OPENBSD_NR_fchflags 35

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#define TARGET_OPENBSD_NR_sync 36
#define TARGET_OPENBSD_NR_kill 37
#define TARGET_OPENBSD_NR_getppid 39
#define TARGET_OPENBSD_NR_dup 41
#define TARGET_OPENBSD_NR_opipe 42
#define TARGET_OPENBSD_NR_getegid 43
#define TARGET_OPENBSD_NR_ktrace 45
#define TARGET_OPENBSD_NR_sigaction 46
#define TARGET_OPENBSD_NR_getgid 47
#define TARGET_OPENBSD_NR_sigprocmask 48
#define TARGET_OPENBSD_NR_getlogin 49
#define TARGET_OPENBSD_NR_acctlogin 50
#define TARGET_OPENBSD_NR_osigaltstack 53
#define TARGET_OPENBSD_NR_ioctl 54
#define TARGET_OPENBSD_NR_reboot 55
#define TARGET_OPENBSD_NR_revoke 56
#define TARGET_OPENBSD_NR_symlink 57
#define TARGET_OPENBSD_NR_readlink 58
#define TARGET_OPENBSD_NR_execve 59
#define TARGET_OPENBSD_NR_umask 60
#define TARGET_OPENBSD_NR_chroot 61
#define TARGET_OPENBSD_NR_vfork 66
#define TARGET_OPENBSD_NR_sbrk 69
#define TARGET_OPENBSD_NR_munmap 73
#define TARGET_OPENBSD_NR_mprotect 74
#define TARGET_OPENBSD_NR_madvise 75
#define TARGET_OPENBSD_NR_mincore 78
#define TARGET_OPENBSD_NR_getgroups 79
#define TARGET_OPENBSD_NR_setgroups 80
#define TARGET_OPENBSD_NR_getpgrp 81
#define TARGET_OPENBSD_NR_setpgid 82
#define TARGET_OPENBSD_NR_setitimer 83
#define TARGET_OPENBSD_NR_getitimer 86
#define TARGET_OPENBSD_NR_dup 90
#define TARGET_OPENBSD_NR_fcntl 92
#define TARGET_OPENBSD_NR_select 93
#define TARGET_OPENBSD_NR_fsync 95
#define TARGET_OPENBSD_NR_setpriority 96
#define TARGET_OPENBSD_NR_socket 97
#define TARGET_OPENBSD_NR_connect 98
#define TARGET_OPENBSD_NR_getpriority 100
#define TARGET_OPENBSD_NR_sigsig 103
#define TARGET_OPENBSD_NR_bind 104
#define TARGET_OPENBSD_NR_setsockopt 105
#define TARGET_OPENBSD_NR_listen 106
#define TARGET_OPENBSD_NR_sigsuspend 111
#define TARGET_OPENBSD_NR_gettimeofday 116
#define TARGET_OPENBSD_NR_getrusage 117
#define TARGET_OPENBSD_NR_getsockopt 118
#define TARGET_OPENBSD_NR_readv 120
#define TARGET_OPENBSD_NR_writev 121
#define TARGET_OPENBSD_NR_settimeofday 122
#define TARGET_OPENBSD_NR_fchown 123
#define TARGET_OPENBSD_NR_fchmod 124
#define TARGET_OPENBSD_NR_setreuid 126
#define TARGET_OPENBSD_NR_setregid 127
#define TARGET_OPENBSD_NR_rename 128
#define TARGET_OPENBSD_NR_flock 131
#define TARGET_OPENBSD_NR_mkfifo 132
#define TARGET_OPENBSD_NR_sendto 133
#define TARGET_OPENBSD_NR_shutdown 134
#define TARGET_OPENBSD_NR_socketpair 135
#define TARGET_OPENBSD_NR_mkdir 136
#define TARGET_OPENBSD_NR_rmdir 137
#define TARGET_OPENBSD_NR_utimes 138
#define TARGET_OPENBSD_NR_adjtime 140
#define TARGET_OPENBSD_NR_setsid 147
#define TARGET_OPENBSD_NR_quotactl 148
#define TARGET_OPENBSD_NR_nfssvc 155
#define TARGET_OPENBSD_NR_getfh 161
#define TARGET_OPENBSD_NR_sysarch 165
#define TARGET_OPENBSD_NR_pread 173
#define TARGET_OPENBSD_NR_pwrite 174
#define TARGET_OPENBSD_NR_setgid 181
#define TARGET_OPENBSD_NR_setegid 182
#define TARGET_OPENBSD_NR_seteuid 183
#define TARGET_OPENBSD_NR_lfs_bmapv 184
#define TARGET_OPENBSD_NR_lfs_markv 185
#define TARGET_OPENBSD_NR_lfs_segclean 186
#define TARGET_OPENBSD_NR_lfs_segwait 187
#define TARGET_OPENBSD_NR_pathconf 191
#define TARGET_OPENBSD_NR_fpathconf 192
#define TARGET_OPENBSD_NR_swapctl 193
#define TARGET_OPENBSD_NR_getrlimit 194
#define TARGET_OPENBSD_NR_setrlimit 195
#define TARGET_OPENBSD_NR_getdirentories 196
#define TARGET_OPENBSD_NR_mmap 197
#define TARGET_OPENBSD_NR___syscall 198
#define TARGET_OPENBSD_NR___syscall 199
#define TARGET_OPENBSD_NR___syscall 200
#define TARGET_OPENBSD_NR___syscall 201
#define TARGET_OPENBSD_NR___syscall 202
#define TARGET_OPENBSD_NR_mlock 203
#define TARGET_OPENBSD_NR_munlock 204
#define TARGET_OPENBSD_NR_futimes 206
#define TARGET_OPENBSD_NR_getpgid 207
#define TARGET_OPENBSD_NR_xfspioc tl 208
#define TARGET_OPENBSD_NR_semget 221
#define TARGET_OPENBSD_NR_msgget 225
#define TARGET_OPENBSD_NR_msgsnd 226
#define TARGET_OPENBSD_NR_msgrcv 227
#define TARGET_OPENBSD_NR_shmat 228
#define TARGET_OPENBSD_NR_shmdt 230
#define TARGET_OPENBSD_NR_clock_gettime 232
#define TARGET_OPENBSD_NR_clock_settime 233
#define TARGET_OPENBSD_NR_nanosleep 240
#define TARGET_OPENBSD_NR_minherit 250
#define TARGET_OPENBSD_NR_rfork 251
#define TARGET_OPENBSD_NR_poll 252
#define TARGET_OPENBSD_NR_issetugid 253
#define TARGET_OPENBSD_NR_lchown 254
#define TARGET_OPENBSD_NR_getsid 255
#define TARGET_OPENBSD_NR_msync 256
#define TARGET_OPENBSD_NR_pipe 263
#define TARGET_OPENBSD_NR_fhopen 264
#define TARGET_OPENBSD_NR_preadv 267
#define TARGET_OPENBSD_NR_pwritev 268
#define TARGET_OPENBSD_NR_kqueue 269
#define TARGET_OPENBSD_NR_kevent 270
#define TARGET_OPENBSD_NR_mlockall 271
#define TARGET_OPENBSD_NR_munlockall 272
#define TARGET_OPENBSD_NR_getpeerid 273
#define TARGET_OPENBSD_NR_getresuid 281
#define TARGET_OPENBSD_NR_setresuid 282
#define TARGET_OPENBSD_NR_getresgid 283
#define TARGET_OPENBSD_NR_setresgid 284
#define TARGET_OPENBSD_NR_mquery 286
#define TARGET_OPENBSD_NR_closefrom 287
#define TARGET_OPENBSD_NR_sigaltstack 288
#define TARGET_OPENBSD_NR_shmget 289
#define TARGET_OPENBSD_NR_semop 290
#define TARGET_OPENBSD_NR_stat 291
#define TARGET_OPENBSD_NR_fstat 292
#define TARGET_OPENBSD_NR_lstat 293
#define TARGET_OPENBSD_NR_fhstat 294
#define TARGET_OPENBSD_NR___semctl 295
#define TARGET_OPENBSD_NR_shmctl 296
#define TARGET_OPENBSD_NR_msgctl 297
#define TARGET_OPENBSD_NR_sched_yield 298
#define TARGET_OPENBSD_NR_getthrid 299
#define TARGET_OPENBSD_NR_thrsleep 300
#define TARGET_OPENBSD_NR_thrwakeup 301
#define TARGET_OPENBSD_NR_threxit 302
#define TARGET_OPENBSD_NR_thrsigdivert 303
#define TARGET_OPENBSD_NR___getcwd 304
#define TARGET_OPENBSD_NR_adjfreq 305
#define TARGET_OPENBSD_NR_getfsstat 306
#define TARGET_OPENBSD_NR_statfs 307
#define TARGET_OPENBSD_NR_fstatfs 308
#define TARGET_OPENBSD_NR_fhstatfs 309

/* syscall flags from machine/trap.h */

/* $OpenBSD: trap.h,v 1.4 2008/07/04 22:04:37 kettenis Exp $ */
/* $NetBSD: trap.h,v 1.4 1999/06/07 05:28:04 eeh Exp $ */

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 *
 */

#define TARGET_OPENBSD_SYSCALL_G2RFLAG 0x400   /* on success, return to %g2 rather than npc */
#define TARGET_OPENBSD_SYSCALL_G7RFLAG 0x800   /* use %g7 as above (deprecated) */

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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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e) Verify that the user has already received a copy of these
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
/* $NetBSD: syscall.h,v 1.215 2008/06/17 16:07:57 tsutsui Exp $ */

/*
 * System call numbers.
 */
#define TARGET_NETBSD_NR_syscall 0
#define TARGET_NETBSD_NR_exit 1
#define TARGET_NETBSD_NR_fork 2
#define TARGET_NETBSD_NR_read 3
#define TARGET_NETBSD_NR_write 4
#define TARGET_NETBSD_NR_open 5
#define TARGET_NETBSD_NR_close 6
#define TARGET_NETBSD_NR_wait4 7
#define TARGET_NETBSD_NR_compat_43_ocreat 8
#define TARGET_NETBSD_NR_link 9
#define TARGET_NETBSD_NR_unlink 10
#define TARGET_NETBSD_NR_chdir 12
#define TARGET_NETBSD_NR_fchdir 13
#define TARGET_NETBSD_NR_mknod 14
#define TARGET_NETBSD_NR_chmod 15
#define TARGET_NETBSD_NR_chown 16
#define TARGET_NETBSD_NR_break 17
#define TARGET_NETBSD_NR_compat_20_getfsstat 18
#define TARGET_NETBSD_NR_compat_43_Oseek 19
#define TARGET_NETBSD_NR_getpid 20
#define TARGET_NETBSD_NR_getpid 20
#define TARGET_NETBSD_NR_compat_40_mount 21
#define TARGET_NETBSD_NR_unmount 22
#define TARGET_NETBSD_NR_setuid 23
#define TARGET_NETBSD_NR_getuid 24
#define TARGET_NETBSD_NR_geteuid 25
#define TARGET_NETBSD_NR_ptrace 26
#define TARGET_NETBSD_NR_recvmsg 27
#define TARGET_NETBSD_NR_sendmsg 28
#define TARGET_NETBSD_NR_recvfrom 29
#define TARGET_NETBSD_NR_accept 30
#define TARGET_NETBSD_NR_getpeername 31
#define TARGET_NETBSD_NR_getsockname 32
#define TARGET_NETBSD_NR_access 33
#define TARGET_NETBSD_NR_fchflags 34
#define TARGET_NETBSD_NR_fchflags 35
#define TARGET_NETBSD_NR_sync 36
#define TARGET_NETBSD_NR_kill 37
#define TARGET_NETBSD_NR_compat_43_stat43 38
#define TARGET_NETBSD_NR_getppid 39
#define TARGET_NETBSD_NR_compat_43_lstat43 40
#define TARGET_NETBSD_NR_dup 41
#define TARGET_NETBSD_NR_getegid 43

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#define TARGET_NETBSD_NR_profil 44
#define TARGET_NETBSD_NR_ktrace 45
#define TARGET_NETBSD_NR_compat_13_sigaction13 46
#define TARGET_NETBSD_NR_getgid 47
#define TARGET_NETBSD_NR_getgid 47
#define TARGET_NETBSD_NR_compat_13_sigprocmask13 48
#define TARGET_NETBSD_NR___getlogin 49
#define TARGET_NETBSD_NR___setlogin 50
#define TARGET_NETBSD_NR_acct 51
#define TARGET_NETBSD_NR_compat_13_sigpending13 52
#define TARGET_NETBSD_NR_compat_13_sigaltstack13 53
#define TARGET_NETBSD_NR_ioctl 54
#define TARGET_NETBSD_NR_compat_12_oreboot 55
#define TARGET_NETBSD_NR_revoke 56
#define TARGET_NETBSD_NR_symlink 57
#define TARGET_NETBSD_NR_readlink 58
#define TARGET_NETBSD_NR_execve 59
#define TARGET_NETBSD_NR_umask 60
#define TARGET_NETBSD_NR_chroot 61
#define TARGET_NETBSD_NR_compat_43_fstat43 62
#define TARGET_NETBSD_NR_compat_43_ogetkerninfo 63
#define TARGET_NETBSD_NR_compat_43_ogetpagesize 64
#define TARGET_NETBSD_NR_compat_12_msync 65
#define TARGET_NETBSD_NR_vfork 66
#define TARGET_NETBSD_NR_sbrk 69
#define TARGET_NETBSD_NR_sstk 70
#define TARGET_NETBSD_NR_compat_43_ommap 71
#define TARGET_NETBSD_NR_vadvise 72
#define TARGET_NETBSD_NR_munmap 73
#define TARGET_NETBSD_NR_mprotect 74
#define TARGET_NETBSD_NR_madvise 75
#define TARGET_NETBSD_NR_mincore 78
#define TARGET_NETBSD_NR_getgroups 79
#define TARGET_NETBSD_NR_setgroups 80
#define TARGET_NETBSD_NR_setpgid 82
#define TARGET_NETBSD_NR_setitimer 83
#define TARGET_NETBSD_NR_compat_43_owait 84
#define TARGET_NETBSD_NR_compat_12_oswapon 85
#define TARGET_NETBSD_NR_getitimer 86
#define TARGET_NETBSD_NR_compat_43_ogethostname 87
#define TARGET_NETBSD_NR_compat_43_osethostname 88
#define TARGET_NETBSD_NR_compat_43_ogetdtablesize 89
#define TARGET_NETBSD_NR_dup2 90
#define TARGET_NETBSD_NR_fcntl 92
#define TARGET_NETBSD_NR_select 93
#define TARGET_NETBSD_NR_fsync 95
#define TARGET_NETBSD_NR_setpriority 96
#define TARGET_NETBSD_NR_compat_30_socket    97
#define TARGET_NETBSD_NR_connect         98
#define TARGET_NETBSD_NR_compat_43_accept 99
#define TARGET_NETBSD_NR_getpriority    100
#define TARGET_NETBSD_NR_compat_43_opconnect 101
#define TARGET_NETBSD_NR_compat_43_osend    102
#define TARGET_NETBSD_NR_compat_43_orcv     103
#define TARGET_NETBSD_NR_compat_13_sigsuspend13       104
#define TARGET_NETBSD_NR_setsockopt       105
#define TARGET_NETBSD_NR.listen          106
#define TARGET_NETBSD_NR_compat_43_osigvec 108
#define TARGET_NETBSD_NR_compat_43_osigblock 109
#define TARGET_NETBSD_NR_compat_43_osigsetmask       110
#define TARGET_NETBSD_NR_compat_43_osigstack 112
#define TARGET_NETBSD_NR_compat_43_osigsetmask        113
#define TARGET_NETBSD_NR_gettimeofday    116
#define TARGET_NETBSD_NR_getrusage      117
#define TARGET_NETBSD_NR_getsockopt     118
#define TARGET_NETBSD_NR_readv         120
#define TARGET_NETBSD_NR_writev        121
#define TARGET_NETBSD_NR_settimeofday    122
#define TARGET_NETBSD_NR_fchown        123
#define TARGET_NETBSD_NR_fchmod         124
#define TARGET_NETBSD_NR_compat_43_otretrunc 125
#define TARGET_NETBSD_NR_setreuid 126
#define TARGET_NETBSD_NR_setregid       127
#define TARGET_NETBSD_NR_rename         128
#define TARGET_NETBSD_NR_compat_43_oftruncate        129
#define TARGET_NETBSD_NR_compat_43_oftrunc 130
#define TARGET_NETBSD_NR_flock          131
#define TARGET_NETBSD_NR_mkfifo         132
#define TARGET_NETBSD_NR_sendto        133
#define TARGET_NETBSD_NR_shutdown       134
#define TARGET_NETBSD_NR_socketpair     135
#define TARGET_NETBSD_NR_fchown         136
#define TARGET_NETBSD_NR_rmdir          137
#define TARGET_NETBSD_NR_utimes         138
#define TARGET_NETBSD_NR_adjtime        140
#define TARGET_NETBSD_NR_compat_43_ogetpeername 141
#define TARGET_NETBSD_NR_compat_43_ogethostid 142
#define TARGET_NETBSD_NR_compat_43_osethostid 143
#define TARGET_NETBSD_NR_compat_43_ogetlimit 144
#define TARGET_NETBSD_NR_compat_43_osetlimit 145
#define TARGET_NETBSD_NR_compat_43_0killpg 146
#define TARGET_NETBSD_NR_setsid         147
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#define TARGET_NETBSD_NR_compat_30_getfh 161
#define TARGET_NETBSD_NR_compat_09_ogetdomainname 162
#define TARGET_NETBSD_NR_compat_09_osetdomainname 163
#define TARGET_NETBSD_NR_compat_09_ouname 164
#define TARGET_NETBSD_NR_sysarch 165
#define TARGET_NETBSD_NR_compat_10_osemsys 169
#define TARGET_NETBSD_NR_compat_10_omsgsys 170
#define TARGET_NETBSD_NR_compat_10_oshmsys 171
#define TARGET_NETBSD_NR_pread 173
#define TARGET_NETBSD_NR_pwrite 174
#define TARGET_NETBSD_NR_compat_30_ntp_gettime 175
#define TARGET_NETBSD_NR_ntp_adjtime 176
#define TARGET_NETBSD_NR_setgid 181
#define TARGET_NETBSD_NR_setegid 182
#define TARGET_NETBSD_NR_seteuid 183
#define TARGET_NETBSD_NR_lfs_bmapv 184
#define TARGET_NETBSD_NR_lfs_markv 185
#define TARGET_NETBSD_NR_lfs_segclean 186
#define TARGET_NETBSD_NR_lfs_segwait 187
#define TARGET_NETBSD_NR_compat_12_stat12 188
#define TARGET_NETBSD_NR_compat_12_fstat12 189
#define TARGET_NETBSD_NR_compat_12_lstat12 190
#define TARGET_NETBSD_NR_pathconf 191
#define TARGET_NETBSD_NR_fpathconf 192
#define TARGET_NETBSD_NR_getrlimit 194
#define TARGET_NETBSD_NR_setrlimit 195
#define TARGET_NETBSD_NR_compat_12_getdirentries 196
#define TARGET_NETBSD_NR_mmap 197
#define TARGET_NETBSD_NR___syscall 198
#define TARGET_NETBSD_NR_lseek 199
#define TARGET_NETBSD_NR_truncate 200
#define TARGET_NETBSD_NR_ftruncate 201
#define TARGET_NETBSD_NR___sysctl 202
#define TARGET_NETBSD_NR_mlock 203
#define TARGET_NETBSD_NR_munlock 204
#define TARGET_NETBSD_NR_undelete 205
#define TARGET_NETBSD_NR_futimes 206
#define TARGET_NETBSD_NR_getpgid 207
#define TARGET_NETBSD_NR_reboot 208
#define TARGET_NETBSD_NR_poll 209
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#define TARGET_NETBSD_NR_semget 221
#define TARGET_NETBSD_NR_semop       222
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#define TARGET_NETBSD_NR_compat_14_msgctl    224
#define TARGET_NETBSD_NR_msgget      225
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#define TARGET_NETBSD_NR_shmdt       230
#define TARGET_NETBSD_NR_shmget      231
#define TARGET_NETBSD_NR_clock_gettime       232
#define TARGET_NETBSD_NR_clock_settime       233
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#define TARGET_NETBSD_NR_timer_create        235
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#define TARGET_NETBSD_NR_timer_gettime       238
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#define TARGET_NETBSD_NR_modctl      246
#define TARGET_NETBSD_NR__ksem_init  247
#define TARGET_NETBSD_NR__ksem_open  248
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#define TARGET_NETBSD_NR__ksem_trywait      253
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#define TARGET_NETBSD_NR__ksem_destroy      255
#define TARGET_NETBSD_NR__mq_open       257
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#define TARGET_NETBSD_NR__mq_unlink     259
#define TARGET_NETBSD_NR__mq_getattr    260
#define TARGET_NETBSD_NR__mq_setattr    261
#define TARGET_NETBSD_NR__mq_notify     262
#define TARGET_NETBSD_NR__mq_send       263
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#define TARGET_NETBSD_NR__mq_timedsend    265
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#define TARGET_NETBSD_NR___posix_rename      270
#define TARGET_NETBSD_NR_swapctl     271
#define TARGET_NETBSD_NR_compat_30_getdents  272
#define TARGET_NETBSD_NR_minherit    273
#define TARGET_NETBSD_NR_lchmod      274
#define TARGET_NETBSD_NR_lchown 275
#define TARGET_NETBSD_NR_lutimes 276
#define TARGET_NETBSD_NR___msync13 277
#define TARGET_NETBSD_NR_compat_30___stat13 278
#define TARGET_NETBSD_NR_compat_30___fstat13 279
#define TARGET_NETBSD_NR_compat_30___lstat13 280
#define TARGET_NETBSD_NR___sigaltstack14 281
#define TARGET_NETBSD_NR___vfork14 282
#define TARGET_NETBSD_NR___posix_chown 283
#define TARGET_NETBSD_NR___posix_fchown 284
#define TARGET_NETBSD_NR___posix_lchown 285
#define TARGET_NETBSD_NR_getsid 286
#define TARGET_NETBSD_NR___clone 287
#define TARGET_NETBSD_NR_fktrace 288
#define TARGET_NETBSD_NR_preadv 289
#define TARGET_NETBSD_NR_pwritev 290
#define TARGET_NETBSD_NR_compat_16___sigaction14 291
#define TARGET_NETBSD_NR___sigpending14 292
#define TARGET_NETBSD_NR___sigprocmask14 293
#define TARGET_NETBSD_NR___sigsuspend14 294
#define TARGET_NETBSD_NR_compat_16___sigreturn14 295
#define TARGET_NETBSD_NR___getcwd 296
#define TARGET_NETBSD_NR_fchroot 297
#define TARGET_NETBSD_NR_compat_30_fhopen 298
#define TARGET_NETBSD_NR_compat_30_fhstat 299
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Ty Coon, President of Vice

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/*
 * System call numbers.
 *
 * created from FreeBSD: releng/9.1/sys/kern/sysscalls.master 229723
 * 2012-01-06 19:29:16Z jhb
 */

#define TARGET_FREEBSD_NR_syscall   0
#define TARGET_FREEBSD_NR_exit  1
#define TARGET_FREEBSD_NR_fork  2
#define TARGET_FREEBSD_NR_read  3
#define TARGET_FREEBSD_NR_write 4
#define TARGET_FREEBSD_NR_open 5
#define TARGET_FREEBSD_NR_close 6
#define TARGET_FREEBSD_NR_wait4 7
    /* 8 is old creat */
#define TARGET_FREEBSD_NR_link 9
#define TARGET_FREEBSD_NR_unlink 10
    /* 11 is obsolete execv */
#define TARGET_FREEBSD_NR_chdir 12
#define TARGET_FREEBSD_NR_fchdir 13
#define TARGET_FREEBSD_NR_mknod 14
#define TARGET_FREEBSD_NR_chmod 15
#define TARGET_FREEBSD_NR_chown 16
#define TARGET_FREEBSD_NR_break 17
#define TARGET_FREEBSD_NR_freebsd4_getfsstat 18
    /* 19 is old lseek */
#define TARGET_FREEBSD_NR_getpid 20
#define TARGET_FREEBSD_NR_mount 21
#define TARGET_FREEBSD_NRUnmount 22
#define TARGET_FREEBSD_NR_setuid 23
#define TARGET_FREEBSD_NR_getuid 24
#define TARGET_FREEBSD_NR_geteuid 25
#define TARGET_FREEBSD_NR_ptrace 26
#define TARGET_FREEBSD_NR_recvmsg 27
#define TARGET_FREEBSD_NR_sendmsg 28
#define TARGET_FREEBSD_NR_recvfrom 29
#define TARGET_FREEBSD_NR_accept 30
#define TARGET_FREEBSD_NR_getpeername 31
#define TARGET_FREEBSD_NR_getsockname 32
#define TARGET_FREEBSD_NR_access 33
#define TARGET_FREEBSD_NR_chflags 34
#define TARGET_FREEBSD_NR_fchflags 35
#define TARGET_FREEBSD_NR_sync 36
#define TARGET_FREEBSD_NR_kill 37
    /* 38 is old stat */
#define TARGET_FREEBSD_NR_getppid 39
    /* 40 is old lstat */
#define TARGET_FREEBSD_NR_dup 41
#define TARGET_FREEBSD_NR_pipe 42
#define TARGET_FREEBSD_NR_getegid 43
#define TARGET_FREEBSD_NR_getuid 44
#define TARGET_FREEBSD_NR_acct 45
    /* 46 is old sigaction */
#define TARGET_FREEBSD_NR_getgid 47
    /* 48 is old sigprocmask */
#define TARGET_FREEBSD_NR_getlogin 49
#define TARGET_FREEBSD_NR_setlogin 50
#define TARGET_FREEBSD_NR_acct 51
    /* 52 is old sigpending */
#define TARGET_FREEBSD_NRSigaltstack 53
#define TARGET_FREEBSD_NR_ioctl 54
#define TARGET_FREEBSD_NR_reboot 55
#define TARGET_FREEBSD_NR_revoke 56
#define TARGET_FREEBSD_NR_symlink 57
#define TARGET_FREEBSD_NR_readlink 58
#define TARGET_FREEBSD_NR_execve 59
#define TARGET_FREEBSD_NR_umask 60
#define TARGET_FREEBSD_NR_chroot 61

  /* 62 is old fstat */
  /* 63 is old getkerninfo */
  /* 64 is old getpagesize */
#define TARGET_FREEBSD_NR_msync 65
#define TARGET_FREEBSD_NR_vfork 66

  /* 67 is obsolete vread */
  /* 68 is obsolete vwrite */
#define TARGET_FREEBSD_NR_sbrk 69
#define TARGET_FREEBSD_NR_sstk 70

  /* 71 is old mmap */
#define TARGET_FREEBSD_NR_vadvise 72
#define TARGET_FREEBSD_NR_munmap 73
#define TARGET_FREEBSD_NR_mprotect 74
#define TARGET_FREEBSD_NR_madvise 75

  /* 76 is obsolete vhangup */
  /* 77 is obsolete vlimit */
#define TARGET_FREEBSD_NR_mincore 78
#define TARGET_FREEBSD_NR_getgroups 79
#define TARGET_FREEBSD_NR_setgroups 80
#define TARGET_FREEBSD_NR_getpgp 81
#define TARGET_FREEBSD_NR_setpgid 82
#define TARGET_FREEBSD_NR_setitimer 83

  /* 84 is old wait */
#define TARGET_FREEBSD_NR_swap 85
#define TARGET_FREEBSD_NR_getitimer 86

  /* 87 is old gethostname */
  /* 88 is old sethostname */
#define TARGET_FREEBSD_NR_getdtablesize 89
#define TARGET_FREEBSD_NR_dup2 90
#define TARGET_FREEBSD_NR_fcntl 92
#define TARGET_FREEBSD_NR_select 93
#define TARGET_FREEBSD_NR_fsync 95
#define TARGET_FREEBSD_NR_setpriority 96
#define TARGET_FREEBSD_NR_socket 97
#define TARGET_FREEBSD_NR_connect 98

  /* 99 is old accept */
#define TARGET_FREEBSD_NR_getpriority 100

  /* 101 is old send */
  /* 102 is old recv */
/* 103 is old sigreturn */
#define TARGET_FREEBSD_NR_bind  104
#define TARGET_FREEBSD_NR_setsockopt 105
#define TARGET_FREEBSD_NR_listen 106
/* 107 is obsolete vtimes */
/* 108 is old sigvec */
/* 109 is old sigblock */
/* 110 is old sigsetmask */
/* 111 is old sigsuspend */
/* 112 is old sigstack */
/* 113 is old recvmsg */
/* 114 is old sendmsg */
/* 115 is obsolete vtrace */
#define TARGET_FREEBSD_NR_gettimeofday 116
#define TARGET_FREEBSD_NR_getrusage 117
#define TARGET_FREEBSD_NR_getsockopt 118
#define TARGET_FREEBSD_NR_readv 120
#define TARGET_FREEBSD_NR_writev 121
#define TARGET_FREEBSD_NR_settimeofday 122
#define TARGET_FREEBSD_NR_fchown 123
#define TARGET_FREEBSD_NR_fchmod 124
/* 125 is old recvfrom */
#define TARGET_FREEBSD_NR_setreuid 126
#define TARGET_FREEBSD_NR_setregid 127
#define TARGET_FREEBSD_NR_rename 128
/* 129 is old truncate */
/* 130 is old ftruncate */
#define TARGET_FREEBSD_NR_flock 131
#define TARGET_FREEBSD_NR_mkfifo 132
#define TARGET_FREEBSD_NR_sendto 133
#define TARGET_FREEBSD_NR_shutdown 134
#define TARGET_FREEBSD_NR_socketpair 135
#define TARGET_FREEBSD_NR_mkdir 136
#define TARGET_FREEBSD_NR_rmdir 137
#define TARGET_FREEBSD_NR_utimes 138
/* 139 is obsolete 4.2 sigreturn */
#define TARGET_FREEBSD_NR_adjtime 140
/* 141 is old getpeername */
/* 142 is old gethostid */
/* 143 is old sethostid */
/* 144 is old getrlimit */
/* 145 is old setrlimit */
/* 146 is old killpg */
#define TARGET_FREEBSD_NR_killpg /* COMPAT */
#define TARGET_FREEBSD_NR_setsid 147
#define TARGET_FREEBSD_NR_quotactl 148
/* 149 is old quota */
/* 150 is old getsockname */
#define TARGET_FREEBSD_NR_nlm_syscall  154
#define TARGET_FREEBSD_NR_nfssvc    155
   /* 156 is old getdirentries */
#define TARGET_FREEBSD_NR_freebsd4_statfs  157
#define TARGET_FREEBSD_NR_freebsd4_fstatfs 158
#define TARGET_FREEBSD_NR_lgetfh  160
#define TARGET_FREEBSD_NR_getfh 161
#define TARGET_FREEBSD_NR_freebsd4_getdomainname 162
#define TARGET_FREEBSD_NR_freebsd4_setdomainname 163
#define TARGET_FREEBSD_NR_freebsd4_uname  164
#define TARGET_FREEBSD_NR_sysarch   165
#define TARGET_FREEBSD_NR_rtprio 166
#define TARGET_FREEBSD_NR_semsemys 169
#define TARGET_FREEBSD_NR_msgmsgys 170
#define TARGET_FREEBSD_NR_shmsgmsgys 171
#define TARGET_FREEBSD_NR_freebsd6_pread  173
#define TARGET_FREEBSD_NR_freebsd6_pwrite 174
#define TARGET_FREEBSD_NR_setfib    175
#define TARGET_FREEBSD_NR_npt_adjtime  176
#define TARGET_FREEBSD_NR_setgsetid  181
#define TARGET_FREEBSD_NR_seteuid   182
#define TARGET_FREEBSD_NR_seteuid   183
#define TARGET_FREEBSD_NR_stat 188
#define TARGET_FREEBSD_NR_fstat 189
#define TARGET_FREEBSD_NR_lstat 190
#define TARGET_FREEBSD_NR_pathconf 191
#define TARGET_FREEBSD_NR_fpathconf 192
#define TARGET_FREEBSD_NR_getrlimit 194
#define TARGET_FREEBSD_NR_setrlimit 195
#define TARGET_FREEBSD_NR_getdirentries 196
#define TARGET_FREEBSD_NR_freebsd6_mmap 197
#define TARGET_FREEBSD_NR___syscall 198
#define TARGET_FREEBSD_NR_freebsd6_lseek 199
#define TARGET_FREEBSD_NR_freebsd6_truncate 200
#define TARGET_FREEBSD_NR_freebsd6_ftruncate 201
#define TARGET_FREEBSD_NR___sysctl 202
#define TARGET_FREEBSD_NR_mlock 203
#define TARGET_FREEBSD_NR_munlock 204
#define TARGET_FREEBSD_NR_undelete 205
#define TARGET_FREEBSD_NR_futimes 206
#define TARGET_FREEBSD_NR_getpgid 207
#define TARGET_FREEBSD_NR_poll 209
#define TARGET_FREEBSD_NR___semget 220
#define TARGET_FREEBSD_NR___semget 221
#define TARGET_FREEBSD_NR_semop 222
#define TARGET_FREEBSD_NR_freebsd7_msgctl 224
#define TARGET_FREEBSD_NR_msgget 225
#define TARGET_FREEBSD_NR_msgsnd 226
#define TARGET_FREEBSD_NR_msgrcv  227
#define TARGET_FREEBSD_NR_shmat  228
#define TARGET_FREEBSD_NR_freebsd7_shmctl 229
#define TARGET_FREEBSD_NR_shmdt  230
#define TARGET_FREEBSD_NR_shmget  231
#define TARGET_FREEBSD_NR_clock_gettime 232
#define TARGET_FREEBSD_NR_clock_settime 233
#define TARGET_FREEBSD_NR_ktimer_create 235
#define TARGET_FREEBSD_NR_ktimer_delete 236
#define TARGET_FREEBSD_NR_ktimer_settime 237
#define TARGET_FREEBSD_NR_ktimer_gettime 238
#define TARGET_FREEBSD_NR_ktimer_getoverrun 239
#define TARGET_FREEBSD_NR_nanosleep 240
#define TARGET_FREEBSD_NR_ntp_gettime  248
#define TARGET_FREEBSD_NR_minherit  250
#define TARGET_FREEBSD_NR_rfork  251
#define TARGET_FREEBSD_NR_openbsd_poll 252
#define TARGET_FREEBSD_NR_issetugid 253
#define TARGET_FREEBSD_NR_lchown  254
#define TARGET_FREEBSD_NR_aio_read  255
#define TARGET_FREEBSD_NR_aio_write 256
#define TARGET_FREEBSD_NR_lio_listio 257
#define TARGET_FREEBSD_NR_getdents  272
#define TARGET_FREEBSD_NR_lchmod    274
#define TARGET_FREEBSD_NR_netbsd_lchown 275
#define TARGET_FREEBSD_NR_lutimes   276
#define TARGET_FREEBSD_NR_netbsd_lchown 275
#define TARGET_FREEBSD_NR_lchown    276
#define TARGET_FREEBSD_NR_nstat  278
#define TARGET_FREEBSD_NR_nfstat    279
#define TARGET_FREEBSD_NR_nlistat  280
#define TARGET_FREEBSD_NR_preadv   289
#define TARGET_FREEBSD_NR_pwritev  290
#define TARGET_FREEBSD_NR_freebsd4_fhstatfs 297
#define TARGET_FREEBSD_NR_fhopen    298
#define TARGET_FREEBSD_NR_fhstat    299
#define TARGET_FREEBSD_NR_modnext   300
#define TARGET_FREEBSD_NR_modstat   301
#define TARGET_FREEBSD_NR_modfnest  302
#define TARGET_FREEBSD_NR_mofind   303
#define TARGET_FREEBSD_NR_kldload   304
#define TARGET_FREEBSD_NR_kldunload 305
#define TARGET_FREEBSD_NR_kldfind   306
#define TARGET_FREEBSD_NR_kldnext   307
#define TARGET_FREEBSD_NR_kldstat   308
#define TARGET_FREEBSD_NR_kldfirstmod 309
#define TARGET_FREEBSD_NR_getsid   310
#define TARGET_FREEBSD_NR_getresuid 311
#define TARGET_FREEBSD_NR_setresgid 312
/* 313 is obsolete signanosleep */
#define TARGET_FREEBSD_NR_aio_return 314
#define TARGET_FREEBSD_NR_aio_suspend 315
#define TARGET_FREEBSD_NR_aio_cancel 316
#define TARGET_FREEBSD_NR_aio_error 317
#define TARGET_FREEBSD_NR_oaio_read 318
#define TARGET_FREEBSD_NR_oaio_write 319
#define TARGET_FREEBSD_NR_olio_listio 320
#define TARGET_FREEBSD_NR_yield 321
/* 322 is obsolete thr_sleep */
/* 323 is obsolete thr_wakeup */
#define TARGET_FREEBSD_NR_mlockall 324
#define TARGET_FREEBSD_NR_munlockall 325
#define TARGET_FREEBSD_NR___getcwd 326
#define TARGET_FREEBSD_NR_sched_setparam 327
#define TARGET_FREEBSD_NR_sched_getparam 328
#define TARGET_FREEBSD_NR_sched_setscheduler 329
#define TARGET_FREEBSD_NR_sched_getscheduler 330
#define TARGET_FREEBSD_NR_sched_yield 331
#define TARGET_FREEBSD_NR_sched_get_priority_max 332
#define TARGET_FREEBSD_NR_sched_get_priority_min 333
#define TARGET_FREEBSD_NR_sched_rr_get_interval 334
#define TARGET_FREEBSD_NR_utrace 335
#define TARGET_FREEBSD_NR_freebsd4_sendfile 336
#define TARGET_FREEBSD_NR_kldsym 337
#define TARGET_FREEBSD_NR_jail 338
#define TARGET_FREEBSD_NR_nnpfs_syscall 339
#define TARGET_FREEBSD_NR_sigprocmask 340
#define TARGET_FREEBSD_NR_sigsuspend 341
#define TARGET_FREEBSD_NR_freebsd4_sigaction 342
#define TARGET_FREEBSD_NR_sigpending 343
#define TARGET_FREEBSD_NR_freebsd4_sigreturn 344
#define TARGET_FREEBSD_NR_sigtimedwait 345
#define TARGET_FREEBSD_NR_sigwaitinfo 346
#define TARGET_FREEBSD_NR___acl_get_file 347
#define TARGET_FREEBSD_NR___acl_set_file 348
#define TARGET_FREEBSD_NR___acl_get_fd 349
#define TARGET_FREEBSD_NR___acl_set_fd 350
#define TARGET_FREEBSD_NR___acl_delete_file 351
#define TARGET_FREEBSD_NR___acl_delete_fd 352
#define TARGET_FREEBSD_NR___acl_aclcheck_file 353
#define TARGET_FREEBSD_NR___acl_aclcheck_fd 354
#define TARGET_FREEBSD_NR_extattrctl 355
#define TARGET_FREEBSD_NR_extattr_set_file 356
#define TARGET_FREEBSD_NR_extattr_get_file 357
#define TARGET_FREEBSD_NR_extattr_delete_file 358
#define TARGET_FREEBSD_NR_aio_waitcomplete 359
\#define TARGET_FREEBSD_NR_getresuid 360
\#define TARGET_FREEBSD_NR_getresgid 361
\#define TARGET_FREEBSD_NR_kqueue 362
\#define TARGET_FREEBSD_NR_kevent 363
\#define TARGET_FREEBSD_NR_extattr_set_fd 371
\#define TARGET_FREEBSD_NR_extattr_get_fd 372
\#define TARGET_FREEBSD_NR_extattr_delete_fd 373
\#define TARGET_FREEBSD_NR___setugid 374
\#define TARGET_FREEBSD_NR_eaccess 376
\#define TARGET_FREEBSD_NR_afs3_syscall 377
\#define TARGET_FREEBSD_NR_nmount 378
\#define TARGET_FREEBSD_NR___mac_get_proc 384
\#define TARGET_FREEBSD_NR___mac_set_proc 385
\#define TARGET_FREEBSD_NR___mac_get_fd 386
\#define TARGET_FREEBSD_NR___mac_get_file 387
\#define TARGET_FREEBSD_NR___mac_set_fd 388
\#define TARGET_FREEBSD_NR___mac_set_file 389
\#define TARGET_FREEBSD_NR_kenv 390
\#define TARGET_FREEBSD_NR_lchflags 391
\#define TARGET_FREEBSD_NR_uuidgen 392
\#define TARGET_FREEBSD_NR_sendfile 393
\#define TARGET_FREEBSD_NR_mac_syscall 394
\#define TARGET_FREEBSD_NR_getfssstat 395
\#define TARGET_FREEBSD_NR_statfs 396
\#define TARGET_FREEBSD_NR_fstatfs 397
\#define TARGET_FREEBSD_NR_fhstatfs 398
\#define TARGET_FREEBSD_NR_ksem_close 400
\#define TARGET_FREEBSD_NR_ksem_post 401
\#define TARGET_FREEBSD_NR_ksem_wait 402
\#define TARGET_FREEBSD_NR_ksem_trywait 403
\#define TARGET_FREEBSD_NR_ksem_init 404
\#define TARGET_FREEBSD_NR_ksem_open 405
\#define TARGET_FREEBSD_NR_ksem_unlink 406
\#define TARGET_FREEBSD_NR_ksem_getvalue 407
\#define TARGET_FREEBSD_NR_ksem_destroy 408
\#define TARGET_FREEBSD_NR___mac_get_pid 409
\#define TARGET_FREEBSD_NR___mac_get_link 410
\#define TARGET_FREEBSD_NR__mac_set_link 411
\#define TARGET_FREEBSD_NR_extattr_set_link 412
\#define TARGET_FREEBSD_NR_extattr_get_link 413
\#define TARGET_FREEBSD_NR_extattr_delete_link 414
\#define TARGET_FREEBSD_NR___mac_execl 415
#define TARGET_FREEBSD_NR_lseek 478
#define TARGET_FREEBSD_NR_truncate 479
#define TARGET_FREEBSD_NR_ftruncate 480
#define TARGET_FREEBSD_NR_thr_kill2 481
#define TARGET_FREEBSD_NR_shm_open 482
#define TARGET_FREEBSD_NR_shm_unlink 483
#define TARGET_FREEBSD_NR_cpuset 484
#define TARGET_FREEBSD_NR_cpuset_setid 485
#define TARGET_FREEBSD_NR_cpuset_getid 486
#define TARGET_FREEBSD_NR_cpuset_getaffinity 487
#define TARGET_FREEBSD_NR_cpuset_setaffinity 488
#define TARGET_FREEBSD_NR_facessat 489
#define TARGET_FREEBSD_NR_fchmodat 490
#define TARGET_FREEBSD_NR_fchownat 491
#define TARGET_FREEBSD_NR_fexecve 492
#define TARGET_FREEBSD_NR_fstatat 493
#define TARGET_FREEBSD_NR_futimesat 494
#define TARGET_FREEBSD_NR_linkat 495
#define TARGET_FREEBSD_NR_mkdirat 496
#define TARGET_FREEBSD_NR_mkfifoat 497
#define TARGET_FREEBSD_NR_mknodat 498
#define TARGET_FREEBSD_NR_openat 499
#define TARGET_FREEBSD_NR_readlinkat 500
#define TARGET_FREEBSD_NR_renameat 501
#define TARGET_FREEBSD_NR_symlinkat 502
#define TARGET_FREEBSD_NR_unlinkat 503
#define TARGET_FREEBSD_NR_posix_openpt 504
#define TARGET_FREEBSD_NR_gssd_syscall 505
#define TARGET_FREEBSD_NR_jail_get 506
#define TARGET_FREEBSD_NR_jail_set 507
#define TARGET_FREEBSD_NR_jail_remove 508
#define TARGET_FREEBSD_NR_closefrom 509
#define TARGET_FREEBSD_NR___semctl 510
#define TARGET_FREEBSD_NR_msgctl 511
#define TARGET_FREEBSD_NR_msgctl 512
#define TARGET_FREEBSD_NR_lpathconf 513
#define TARGET_FREEBSD_NR_cap_new 514
#define TARGET_FREEBSD_NR_cap_getrights 515
#define TARGET_FREEBSD_NR_cap_enter 516
#define TARGET_FREEBSD_NR_cap_mode 517
#define TARGET_FREEBSD_NR_pfork 518
#define TARGET_FREEBSD_NR_pkill 519
#define TARGET_FREEBSD_NR_pgetpid 520
#define TARGET_FREEBSD_NR_pselect 522
#define TARGET_FREEBSD_NR_getloginclass 523
#define TARGET_FREEBSD_NR_setloginclass 524
#define TARGET_FREEBSD_NR_rctl_get_racct 525
#define TARGET_FREEBSD_NR_rctl_get_rules 526
#define TARGET_FREEBSD_NR_rctl_get_limits 527
#define TARGET_FREEBSD_NR_rctl_add_rule 528
#define TARGET_FREEBSD_NR_rctl_remove_rule 529
#define TARGET_FREEBSD_NR_posix_fallocate 530
#define TARGET_FREEBSD_NR_posix_fadvise 531
#define TARGET_FREEBSD_NR_MAXSYSCALL 532

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David Gibson <david@gibson.dropbear.id.au>
(principal original author of dtc and libfdt)
2 November 2007

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-- Wolfgang Denk

Index: debug.c

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
 void X86EMU_trace_regs (void)
 {
  if (DEBUG_TRACE) {
-    x86emu_dump_regs();
+    if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+      x86emu_dump_xregs();
+    } else {
+      x86emu_dump_regs();
+    }
  }
  if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
    printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
 for (i=0; i< M.x86.enc_pos; i++) {
      sprintf(buf1+2*i, "%02x", fetch_data_byte_abs(s,o+i));
    }
-  printk("%-20s",buf1);
+  printk("%-20s ",buf1);
  }

 static void print_decoded_instruction (void)
Index: ops2.c
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c 7 Sep 2007 10:01:21 -0000
+++ ops2.c 20 Mar 2008 15:48:34 -0000
@@ -149,8 +149,69 @@
target += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", target);
    TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
        M.x86.R_IP = (u16)target;
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+    }
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
+}
+ case 0xca:
+   DECODE_PRINTF("EDX\n");
+   M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+   break;
+ case 0xcb:
+   DECODE_PRINTF("EBX\n");
+   M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+   break;
+ case 0xcc:
+   DECODE_PRINTF("ESP\n");
+   M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+   break;
+ case 0xcd:
+   DECODE_PRINTF("EBP\n");
+   M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+   break;
+ case 0xce:
+   DECODE_PRINTF("ESI\n");
+   M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+   break;
+ case 0xcf:
+   DECODE_PRINTF("EDI\n");
+   M.x86.R EDI = x86emu_bswap(M.x86.R EDI);
+   break;
+ }
+ TRACE_AND_STEP();
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
}
@ @ .1702.14 +1763.14 @@
/* 0xc5 */ x86emuOp2_illegal_op,
/* 0xc6 */ x86emuOp2_illegal_op,
/* 0xc7 */ x86emuOp2_illegal_op,
-/* 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,
+/* 0xcb */ x86emuOp2_bswap,
+/* 0xcc */ x86emuOp2_bswap,
+/* 0xcd */ x86emuOp2_bswap,
/* 0xce */ x86emuOp2_bswap,
/* 0xcf */ x86emuOp2_bswap,

/* 0xd0 */ x86emuOp2_illegal_op,
/* 0xd1 */ x86emuOp2_illegal_op,
Index: ops.c

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops.c	20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
imm = (s8)fetch_byte_imm();
DECODE_PRINTF2("PUSH %d", imm);
TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -1256,8 +1260,10 @@
target = (u16)(M.x86.R_IP + (s16)offset);
DECODE_PRINTF2("%x", target);
TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
M.x86.R_IP = target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -2516,9 +2522,11 @@
count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* move them until CX is ZERO. */
-    count = M.x86.R_CX;
+    /* move them until (E)CX is ZERO. */
+    count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+    M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    count = M.x86.R_CX;
    /* move them until (E)CX is ZERO. */
    count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REPE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R ECX : M.x86.R_CX) != 0) {
            val1 = fetch_data_byte(M.x86.R_SI);
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(val1, val2);
            M.x86.R_CX -= 1;
        }
    }
}
+    M.x86.R_ECX -= 1;
+  else
+    M.x86.R_CX -= 1;
+    M.x86.R_SI += inc;
+    M.x86.R_DI += inc;
+    if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
+    if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+    if (M.x86.intr & INTR_HALTED)
+      break;
+  }
+  M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
+
+ if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
+  /* REPE */
+  - /* move them until CX is ZERO. */
+  - while (M.x86.R_CX != 0) {
+  + /* move them until (E)CX is ZERO. */
+  + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+      val1 = fetch_data_long(M.x86.R_SI);
+      val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
+      cmp_word((u16)val1, (u16)val2);
+    }
+    - M.x86.R_CX -= 1;
+    + if (M.x86.mode & SYSMODE_32BIT_REP)
+      + M.x86.R_ECX -= 1;
+    + else
+      + M.x86.R_CX -= 1;
+      M.x86.R_SI += inc;
+      M.x86.R_DI += inc;
+      if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
+      if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+    + if (M.x86.intr & INTR_HALTED)
+      + break;
+  } else {
+    TRACE_AND_STEP();
+    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
+      /* dont care whether REPE or REPNE */
+      - /* move them until CX is ZERO. */
+      - while (M.x86.R_CX != 0) {
+      + /* move them until (E)CX is ZERO. */
while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
    M.x86.R_CX -= 1;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX -= 1;
    else
        M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    count = M.x86.R_CX;
}
M.x86.R_CX = 0;
if (M.x86.mode & SYSMODE_32BIT_REP)
    M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
    M.x86.R_DI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
inc = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    while (M.x86.R_CX != 0) {
        M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
        M.x86.R_CX -= 1;
        if (M.x86.mode & SYSMODE_32BIT_REP)
            M.x86.R_ECX -= 1;
    }
else
    M.x86.R_CX -= 1;
M.x86.R_SI += inc;
if (M.x86.intr & INTR_HALT)
    break;
} else {
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    count = M.x86.R_CX;
    /* move them until (E)CX is ZERO. */
    count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
while (count--) {
    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
    M.x86.R_SI += inc;
    if (M.x86.intr & INTR_HALT)
        break;
} DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
inc = 1;
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(M.x86.R_AL, val2);
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(FZF) == 0)
break;
+    if (M.x86.intr & INTR_HALT)
+        break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPN)
    /* REPNE */
-    /* move them until CX is ZERO. */
-    while (M.x86.R_CX != 0) {
+    /* move them until (E)CX is ZERO. */
+    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
        -        M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF))
            break;          /* zero flag set means equal */
+    if (M.x86.intr & INTR_HALT)
+        break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else {
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REP)
        /* REP */
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX, val);
                @@ -2960,16 +3012,21 @@
                    val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                    cmp_word(M.x86.R_AX, (u16)val);
                }
-            M.x86.R_CX -= 1;
+            if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF) == 0)
break;
  +   if (M.x86.intr & INTR_HALTED)
  +   break;

}  
M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
  /* REPNE */
-    /* move them until CX is ZERO. */
-    while (M.x86.R_CX != 0) {
+    /* move them until (E)CX is ZERO. */
+    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
      if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX, val);
@@ -2977,10 +3034,15 @@
          val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
          cmp_word(M.x86.R_AX, (u16)val);
      }  
-      M.x86.R_CX -= 1;
+      if (M.x86.mode & SYSMODE_32BIT_REP)
+          M.x86.R_ECX -= 1;
+      else
+          M.x86.R_CX -= 1;
      M.x86.R_DI += inc;
      if (ACCESS_FLAG(F_ZF))
        break;          /* zero flag set means equal */
+    if (M.x86.intr & INTR_HALTED)
+    break;
   }
   /*
   - M.x86.R_CX -= 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
   */
   M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -3238,9 +3300,9 @@
    DECODE_PRINTF("RET\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEG OversevR();
END_OF_INSTR();
@@ -3254,9 +3316,9 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RET\t");
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");  
DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();  
}  
@@ -3471,10 +3533,10 @@  
DECODE_PRINTF("RETF\t");  
imm = fetch_word_imm();  
DECODE_PRINTF2(\"%x\n", imm);  
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);  
TRACE_AND_STEP();  
M.x86.R_IP = pop_word();  
M.x86.R_CS = pop_word();  
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");  
M.x86.R_SP += imm;  
DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();  
@@ -3488,10 +3550,10 @@  
{  
START_OF_INSTR();  
DECODE_PRINTF("RETFu\n");  
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);  
TRACE_AND_STEP();  
M.x86.R_IP = pop_word();  
M.x86.R_CS = pop_word();  
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");  
DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();  
}  
@@ -4020,8 +4082,11 @@  
ip += (s16) M.x86.R_IP;  
DECODE_PRINTF2("%04x\n", ip);  
TRACE_AND_STEP();  
- M.x86.R_CX -= 1;  
- if (M.x86.R_CX != 0 & & !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */  
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)  
+ M.x86.R_ECX -= 1;  
+ else  
+ M.x86.R_CX -= 1;  
+ !ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */  
M.x86.R_IP = ip;  
DECODE_CLEAR_SEGOVR();  
END_OF_INSTR();  
@@ -4041,8 +4106,11 @@  
ip += (s16) M.x86.R_IP;  
DECODE_PRINTF2("%04x\n", ip);  
TRACE_AND_STEP();  

- `M.x86.R_CX -= 1;`
- if `(M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF))` /* CX != 0 and ZF */
+ if `(M.x86.mode & SYSMODE_PREFIX_ADDR)`
+ `M.x86.R_ECX -= 1;`
+ else
+ `M.x86.R_CX -= 1;`
+ if `(((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 && ACCESS_FLAG(F_ZF))` /* (E)CX != 0 and ZF */

```
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
```

```
@ @ -4062.8 +4130.11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
```

```
- M.x86.R_CX -= 1;
- if `(M.x86.R_CX != 0)`
+ if `(M.x86.mode & SYSMODE_PREFIX_ADDR)`
+ `M.x86.R_ECX -= 1;`
+ else
+ `M.x86.R_CX -= 1;`
+ if `(((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0)` /* (E)CX != 0 */

```
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
```

```
@ @ -4085.8 +4156.10 @@
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
TRACE_AND_STEP();
```

```
- if `(M.x86.R_CX == 0)`
+ if `(M.x86.R_CX == 0) {

```
M.x86.R_IP = target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+
```

```
}"
```

```
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
```

```
@ @ -4213.6 +4286.7 @@
ip = (s16)fetch_word_imm();
ip += (s16)M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR ");
```

```
TRACE_AND_STEP();
M.x86.R_IP = (u16)ip;
DECODE_CLEAR_SEGOVR();
```

```
@ @ -4233.6 +4307.7 @@
cs = fetch_word_imm();
DECODE_PRINTF2("%04x:", cs);
```
DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = ip;
M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
    offset = (s8)fetch_byte_imm();
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
    destval = fetch_data_word(destoffset);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
break;
case 5: /* jmp far ptr ... */
    destval = fetch_data_word(destoffset);
    destval2 = fetch_data_word(destoffset + 2);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
    #ifdef __HAS_LONG_LONG_
    s64 res = (s64)d * (s64)s;
    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);
    #endif
}

void mul_long(u32 s)
{
    #ifdef __HAS_LONG_LONG_
    u64 res = (u32)(u64)M.x86.R_EAX * s;
    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);
    #endif
}

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* in until (E)CX is ZERO. */
    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
                  u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
                    M.x86.R_ECX : M.x86.R_CX);
    while (count--) {
        single_in(size);
        M.x86.R_DI += inc;
    }
    M.x86.R_CX = 0;
    /* dont care whether REPE or REPNE */
}
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* dont care whether REPE or REPNE */
}
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* dont care whether REPE or REPNE */
}
- /* out until CX is ZERO. */
- u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ /* out until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
M.x86.R_ECX : M.x86.R_CX);

while (count--) {
    single_out(size);
    M.x86.R_SI += inc;
}
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
}
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
Index: sys.c
**************************************************************************
@@ -220,7 +215,7 @@
{ DB(if (DEBUG_IO_TRACE())
    printk("inb %#04x \n", addr);
    return inb(addr);
+return 0;
}
-return inw(addr);
+return 0;
}

/**************************************************************************
@@ -250,7 +245,7 @@
{
 DB(if (DEBUG_IO_TRACE())
 printk("inl %#04x \n", addr);
-return inl(addr);
+return 0;
}

/**************************************************************************
@@ -264,7 +259,6 @@
{
 DB(if (DEBUG_IO_TRACE())
 printk("outb %#02x -> %#04x \n", val, addr);
-outb(val, addr);
 return;
}

@@ -279,7 +273,6 @@
{
 DB(if (DEBUG_IO_TRACE())
 printk("outw %#04x -> %#04x \n", val, addr);
-ou tw(val, addr);
 return;
}

@@ -295,7 +288,6 @@
 DB(if (DEBUG_IO_TRACE())
 printk("outl %#08x -> %#04x \n", val, addr);
-outl(val, addr);
 return;
}

@@ -405,6 +397,6 @@
 void X86EMU_setMemBase(void *base, size_t size)
 {
- M.mem_base = (int) base;
+ M.mem_base = (unsigned long) base;
  M.mem_size = size;
 }
RCS file:/cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h	7 Sep 2007 10:01:21 -0000	1.1
+++ include/x86emu/debug.h	20 Mar 2008 15:25:27 -0000	1.4
@@ -40,8 +40,6 @@
-//#define DEBUG 0
+#define DEBUG
/*---------------------- Macros and type definitions ----------------------*/
/* checks to be enabled for "runtime" */
@@ -78,6 +76,8 @@
 # define DEBUG_SYSINT() (M.x86.debug & DEBUG_SYSINT_F)
 # define DEBUG_TRACECALL() (M.x86.debug & DEBUG_TRACECALL_F)
 # define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+# define DEBUG_TRACEJMP() (M.x86.debug & DEBUG_TRACEJMP_F)
+# define DEBUG_TRACEJMPREGS() (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
 # define DEBUG_SYS() (M.x86.debug & DEBUG_SYS_F)
 # define DEBUG_MEM_TRACE() (M.x86.debug & DEBUG_MEM_TRACE_F)
 # define DEBUG_IO_TRACE() (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
 # define DEBUG_SYSINT() 0
 # define DEBUG_TRACECALL() 0
 # define DEBUG_TRACECALLREGS() 0
+# define DEBUG_TRACEJMP() 0
+# define DEBUG_TRACEJMPREGS() 0
 # define DEBUG_SYS() 0
 # define DEBUG_MEM_TRACE() 0
 # define DEBUG_IO_TRACE() 0
@@ -169,14 +171,20 @@
x86emu_dump_regs();                                     
    if (DEBUG_TRACECALL())                                     	
    if (DEBUG_TRACECALLREGS())									
    if (DEBUG_TRACEJMP())								
    if (DEBUG_TRACEJMPREGS())
"---------------------- Macros and type definitions ----------------------"*/
+ printk("%04x:%04x: JMP %s%04x:%04x\n", u, v, s, w, x);
#else
+ define CALL_TRACE(u,v,w,x,s)
- # define RETURN_TRACE(n,u,v)
+ # define RETURN_TRACE(u,v,w,x,s)
+ # define JMP_TRACE(u,v,w,x,s)
#endif

#ifndef DEBUG
# ifdef DEBUG
Index: include/x86emu/regs.h
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE 0x00000100
#define SYSMODE_PREFIX_DATA 0x00000200
#define SYSMODE_PREFIX_ADDR 0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP 0x00000800
#define SYSMODE_INTR_PENDING 0x10000000
#define SYSMODE_EXTRN_INTR 0x20000000
#define SYSMODE_HALTED 0x40000000
@@ -250,7 +253,8 @@
SYSMODE_SEGOVR_GS | SYSMODE_SEGOVR_SS | SYSMODE_PREFIX_DATA |
SYSMODE_32BIT_REP)
#define INTR_SYNCH 0x1
#define INTR_ASYNCH 0x2
@@ -274,9 +278,9 @@*/
#define INTR_SYNCH 0x1
#define INTR_ASYNCH 0x2
@@ -274,9 +278,9 @@/
   volatile int intr; /* mask of pending interrupts */
   int debug;
+   volatile int debug;
# ifdef DEBUG
-   int check;
+   int debug;
+   int check;
   u16 saved_ip;
   u16 saved_cs;
int enc_pos;
Index: include/x86emu/x86emu.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/x86emu.h19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@
#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
#define printk printf
#endif
@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F 0x004000
#define DEBUG_DECODE_NOPRINT_F 0x008000
#define DEBUG_SAVE_IP_CS_F 0x010000
+#define DEBUG_TRACEJMP_F 0x020000
+#define DEBUG_TRACEJMP_REGS_F 0x040000
#define DEBUG_SYS_F (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#ifdef __cplusplus
}                       /* End of "C" linkage for C++   */
#endif
-
#endif /*__X86EMU_X86EMU_H */
#***************************************************************************
# * Copyright (c) 2004, 2008 IBM Corporation
# * All rights reserved.
# * This program and the accompanying materials
# * are made available under the terms of the BSD License
# * which accompanies this distribution, and is available at
# * http://www.opensource.org/licenses/bsd-license.php
# *
# * Contributors:
# * IBM Corporation - initial implementation
#***************************************************************************
#!/bin/bash
#set -x
#set -e
SVN=`which svn`
PATCH=`which patch`
DIFF_FILE=./x86emu_changes.diff

# check whether svn, patch, ... is available...

if [ ! -x $SVN ]; then
echo "svn executable not found!"
exit -1
fi
if [ ! -x $PATCH ]; then
echo "patch executable not found!"
exit -1
fi
if [ ! -r $DIFF_FILE ]; then
echo "diff file $DIFF_FILE not found!"
exit -1
fi

# download the x86emu sources from LinuxBIOS subversion

# revision known to work...
REV=496

echo "Checking out x86emu from coreboot-v3 repository revision $REV"
$SVN co svn://coreboot.org/repository/coreboot-v3/util/x86emu -r $REV

echo "Copying files..."

mkdir -p include/x86emu
cp -v x86emu/x86emu/*.c .
cp -v x86emu/x86emu/*.h include/x86emu
cp -v x86emu/include/x86emu/*.h include/x86emu

echo "Removing checkedout subversion directory..."
rm -rf x86emu

echo "Patching files..."

$PATCH -p0 < x86emu_changes.diff

echo "done"
exit 0

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-- Wolfgang Denk

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<tr>
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Version 2.1, February 1999

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be optional: if the application does not supply it, the square
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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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Metadata-Version: 1.2
Name: gcovr
Version: 4.1
Summary: A Python script for summarizing gcov data.
Home-page: http://gcovr.com
Maintainer: William Hart
Maintainer-email: wehart@sandia.gov
License: BSD
Description: gcovr

=====
generate GCC code coverage reports

.. begin abstract

Gcovr provides a utility for managing the use of the GNU gcov utility and generating summarized code coverage results. This command is inspired by the Python coverage.py package, which provides a similar utility for Python.

The ``gcovr`` command can produce different kinds of coverage reports:

- ``-default``: compact human-readable summaries
- ``--xml``: machine readable XML reports in Cobertura format
- ``--html``: HTML summaries
- ``--html-details``: HTML report with annotated source files

Thus, gcovr can be viewed as a command-line alternative to the lcov utility, which runs gcov and generates an HTML-formatted report.

The development of gcovr was motivated by the need for text summaries and XML reports.

.. _lcov: http://ltp.sourceforge.net/coverage/lcov.php

.. end abstract
Installation

.. begin installation

Gcovr is available as a Python package that can be installed via pip_

.. _pip: https://pip.pypa.io/en/stable

Install newest stable `gcovr` release from PyPI:

.. code:: bash

    pip install gcovr
Install development version from GitHub:

.. code:: bash

    pip install git+https://github.com/gcovr/gcovr.git

.. end installation

Quickstart
----------

.. begin quickstart

GCC can instrument the executables to emit coverage data. You need to recompile your code with the following flags:

```
-fprofile-arcs -ftest-coverage -g -O0
```

Next, run your test suite. This will generate raw coverage files.

Finally, invoke gcovr. This will print a tabular report on the console.

```
gcovr -r
```

You can also generate detailed HTML reports:

```
gcovr -r --html --html-details -o coverage.html
```

Gcovr will create one HTML report per source file next to the coverage.html summary.

You should run gcovr from the build directory. The `--r` option should point to the root of your project. This only matters if you have a separate build directory.

For complete documentation, read the `manual <documentation_>`.

.. end quickstart

Contributing
------------
If you want to report a bug or contribute to gcovr development, please read our contributing guidelines first:
`
<https://github.com/gcovr/gcovr/blob/master/CONTRIBUTING.rst>`_

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-------

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Keywords: utility
Platform: any
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: End Users/Desktop
Classifier: Intended Audience :: Science/Research
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
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Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Unix Shell
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*

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1.234 maven-settings 3.0.5

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Dave Bodenstab <dave@bodenstab.org> AT style time in update, tclfixes
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REIBENSCHUH Alfred <alfred.reibenschuh with it-austria.com> AIX
Radoslaw Karas <rkaras with tyndall.ie>
Rainer Bawidamann <Rainer.Bawidamann with informatik.uni-ulm.de>
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1.241 boost 1.68.0

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)
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Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsoftwaresolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49
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[#mpl]

# MPL Support, <boost/mp11 mpl.hpp>
:toc:
:toc-title:
:idprefix:

The header `<boost/mp11 mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

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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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1.243 python-setuptools 40.8.0

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1.244 alsa-utils 1.1.6

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### 1.245 xz 5.2.4

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1.252 lua 5.3.4

1.253 nss 3.39

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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
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Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
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Markus Heule <markus.heule@gmail.com>
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1.261 idna 2.7-1.ph3
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****
A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.
import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
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            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'test_suite': 'tests',
    }

    setup(**arguments)
if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1161616786_1621638310.0/0/idna-2-7-1-tar-gz/idna-2.7/setup.py

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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-

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    Ty Coon, President of Vice

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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) = $output =~ /copyright 1987.*\d{4,}/i
    or die "Copyright statement not found in perl -v output '$output'";
    $year;
}

1.268 gperftools 2.7
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1.269 rdma-cm 28.1

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Upstream-Name: rdma-core
Upstream-Contact: Doug Ledford <dledford@redhat.com>,
    Leon Romanovsky <Leon@kernel.org>
Source: https://github.com/linux-rdma/rdma-core

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# Contributions to the urllib3 project

## Creator & Maintainer

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

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

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

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

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

* p.dobrogost <http://code.google.com/u/@WBRSRiBZDhBFxQb6/>
  * Code review, PEP8 compliance, benchmark fix

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

* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

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

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.
* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

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

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

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

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

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

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

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

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

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

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

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

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters
* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>  
  * Support for separate connect and request timeouts

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

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

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

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

* Nicolas Delaby <nicholas.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.iitr@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 <sy6yg1ez3@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 vending

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

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

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

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

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

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

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

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

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1.272 pkix-ssh 12.1

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### 1.275 zlib 1.2.5

**1.275.1 Available under license:**

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

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1.276 wagon-provider-api 2.4

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpcpp/support/error_details.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpcpp/impl/codegen/byte_buffer.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_root/include/grpc/support/sync_custom.h

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  1.14.1/third_party/protobuf/src/google/protobuf/stubs/status.cc
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  1.14.1/third_party/protobuf/src/google/protobuf/stubs/scoped_ptr.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/compiler/mock_code_generator.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/compiler/javanano/javanano_primitive_field.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/compiler/java/java_helpers.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/compiler/cpp/cpp_enum.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/generated_enum_reflection.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/metadata.h
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  1.14.1/third_party/protobuf/src/google/protobuf/stubs/scoped_ptr.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/unittest_import.proto3.proto
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/compiler/java/java_helpers.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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  1.14.1/third_party/protobuf/src/google/protobuf/unittest_lazy_dependencies_custom_option.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/unittest_import.proto3.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
  1.14.1/third_party/protobuf/src/google/protobuf/compiler/mock_code_generator.h
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  1.14.1/third_party/protobuf/src/google/protobuf/compiler/javanano/javanano_primitive_field.cc
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  1.14.1/third_party/protobuf/src/google/protobuf/compiler/java/java_helpers.h
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1.14.1/third_party/protobuf/src/google/protobuf/map_test.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/map_test_util.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/message_lite.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/repeated_field_reflection_unittest.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/util/internal/testdata/default_value.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/unittest_mset_wire_format.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/timestamp.proto
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/compiler/wire_format.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/unittest_mset_wire_format.proto
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_helpers.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
1.14.1/third_party/protobuf/src/google/protobuf/stubs/statusor.cc
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_tools/_protoc Compiler.pyx
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_tools/command.py
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/grpc_tools/__init__.py
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/protoc_lib_deps.py

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* */
/** Signal that the call is cacheable. GRPC is free to use GET verb */

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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_mips_gcc.h
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* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/platform_macros.h
* /opt/cola/permits/1168659419_1622048081.6/0/grpcio-tools-1-14-1-1-tar-gz/grpcio-tools-1.14.1/third_party/protobuf/src/google/protobuf/stubs/atomicops_internals_x86_msvc.h
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 *
 */

// If set, grpc is free to use the HTTP GET verb for sending the request,

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Metadata-Version: 1.1
Name: grpcio-tools
Version: 1.14.1
Summary: Protobuf code generator for gRPC
Home-page: https://grpc.io
Author: The gRPC Authors
Author-email: grpc-io@googlegroups.com
License: Apache License 2.0
Description: UNKNOWN
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
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THE BASIC LIBRARY FUNCTIONS

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

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1.281 dmalloc 5.5.2
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#!/usr/bin/perl5 -w
#
# dmalloc_summarize -- summarizes dmalloc log files
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/*
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* Author: J'org Wunsch
* 
* Dumb atexit() implementation. It is far from being elegant. It is
* only here to provide a workaround for systems where the existing
* atexit() implementation is known to cause problems due to doing
* own mallocs. The problem arose originally on a Data General
* machine running DG/UX 5.4R*, along with gcc compiling C++ code.
* In order to have global and static variables called their const-
* rctors, a chunk of code has been placed by the compiler that
* ran before invoking main(). This code registered the desctructors
* with atexit() at this very early stage, but the existing atexit()
* bypassed the normal memory allocation scheme, and hence caused
* grievous troubles in combination with the dmalloc library.
* 
* Known problem for DG/UX: the crt0.o (at least in a COFF environ-
* ment) passes the return value from main() to _real_exit() instead
* of exit(). Hence programs which return from main instead of calling
* exit() do not work as expected. I do not see any good workaround
* for this so far (since crt0.o always happens to reference the
* _real_exit() from the library, even if we would provide our very
* own symbol for it).
* 
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1.282 libnl3 3.4.0

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1.284 websocketpp 0.8.1

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base64.cpp and base64.h

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L. Peter Deutsch
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***** UTF8 Validation logic (utf8_validation.hpp) *****

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1.285 bc 1.07

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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.

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

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

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
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1.291 unzip 6.0

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

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

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

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the 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:
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*
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*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
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*
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*
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--------------------------------------------------------------------------
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  *
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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.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

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-----

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-----

The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBUTIONS 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.
1.292 libpcap 1.8.1

1.292.1 Available under license:

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1.293 pyasn1 0.4.4-1.ph3

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ASN.1 library for Python
------------------------
[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
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[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on [ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features
--------

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.7
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1
-----------------

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1
-----------------

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
    id        INTEGER,
    room  [0] INTEGER OPTIONAL,
    house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            ),
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            ),
        ),
    )
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):
Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 7B
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())

>>> for field in received_record:
...    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0

>>> record == received_record
True

>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 02 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```  
Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
```  
With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the documentation[http://snmplabs.com/pyasn1/], compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
--------------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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License
=======

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* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0.4.4-1.tar-gz/pyasn1-0.4.4/tests/codec/cer/test_encoder.py
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* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0.4.4-1.tar-gz/pyasn1-0.4.4/tests/codec/cer/test_decoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0.4.4-1.tar-gz/pyasn1-0.4.4/tests/codec/der/__main__.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0.4.4-1.tar-gz/pyasn1-0.4.4/tests/codec/der/test_encoder.py
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* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0.4.4-1.tar-gz/pyasn1-0.4.4/pyasn1/codec/cer/encoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0.4.4-1.tar-gz/pyasn1-0.4.4/pyasn1/codec/cer/test_encoder.py
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ASN.1 library for Python
Abstract Syntax Notation One (ASN.1) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` library implements ASN.1 support in pure-Python.

What is ASN.1
--------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting `discussions` on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` or `FlatBuffers`, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic
to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the statistics on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

.. toctree::
   :maxdepth: 2

   /pyasn1/contents

Use case

-------

.. toctree::
   :maxdepth: 2
Download & Install

Changes

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

License

The PyASN1 software is distributed under 2-clause BSD License.

Getting help


Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome
books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>` by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

Found in path(s):
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1.294 gobject-introspection 1.58.0

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1.297 rpm 4.14.2

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

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

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

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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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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.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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1.298 markupsafe 1.0

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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

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

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

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

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/* 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
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*
* M. Welsh, 6 July 1996
*
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1.303 kerberos 1.16

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/etc/kdb5_err.c
```
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h  
lib/gss_mechs/mech_spnego/mech/spnego_mech.c  
lib/krb5/kadm5/kadm_host_srv_names.c  
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lib/libgss/g_utils.c  
lib/libgss/g_verify.c  
lib/libgss/gssd_pname_to_uid.c  
uts/common/gssapi/include/gssapi_err_generic.h  
uts/common/gssapi/include/mechglueP.h

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kadmin/passwd
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class="o"/>

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<pre>

</pre>
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- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/krb5/error_tables/kdb5_err.et
- kprop/kpropd_rpc/kprop.log
- kprop/kpropd_rpc/kpropd_rpc
- kprop/kproplog/kprop.log

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.. parsed-literal::

    lib/gssapi/generic/gssapi_err_generic.et
   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
   lib/gssapi/mechglue/g_delete_sec_context.c
   lib/gssapi/mechglue/g_dsp_name.c
   lib/gssapi/mechglue/g_dsp_status.c
   lib/gssapi/mechglue/g_dup_name.c
   lib/gssapi/mechglue/g_exp_sec_context.c
   lib/gssapi/mechglue/g_export_name.c
   lib/gssapi/mechglue/g_glue.c
   lib/gssapi/mechglue/g_imp_name.c
   lib/gssapi/mechglue/g_imp_sec_context.c
   lib/gssapi/mechglue/g_init_sec_context.c
   lib/gssapi/mechglue/g_initialize.c
   lib/gssapi/mechglue/g_inquire_context.c
   lib/gssapi/mechglue/g_inquire_cred.c
   lib/gssapi/mechglue/g_inquire_names.c
   lib/gssapi/mechglue/g_process_context.c
   lib/gssapi/mechglue/g_rel_buffer.c
   lib/gssapi/mechglue/g_rel_cred.c
   lib/gssapi/mechglue/g_rel_name.c
   lib/gssapi/mechglue/g_rel_oid_set.c
   lib/gssapi/mechglue/g_seal.c
   lib/gssapi/mechglue/g_sign.c
   lib/gssapi/mechglue/g_store_cred.c
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.. parsed-literal::

    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/kproplog.c

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<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
  URL_ROOT: '//',
  VERSION: '1.17',
  COLLAPSE_INDEX: false,
  FILE_SUFFIX: '.html',
};
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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

include/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/kproplog.c

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import os
import sys
import re

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

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

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

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

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

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

    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'/\*.*?\*/', '', line)
            line = line.strip()
        if not in_comment and '/*' in line:
            (line, sep, comment_part) = line.partition('/*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '*/' not in line:
            comment.append(line.lstrip('*').lstrip())
        elif in_comment:
            (comment_part, sep, line) = line.partition('*/')
            comment.append(comment_part.strip())
        is_license = check_comment(comment, fname, comment_starts_at,
                                    code_seen, nonlicense_seen)
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
        if line.strip() != '':
            code_seen = True
            ln += 1

    for fname in sys.argv[1:]:
        if fname.startswith('./'):  
```
fname = fname[2:]
f = open(fname)
lines = f.readlines()
f.close()
check_file(lines, fname)

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1.304 curl 7.61.0

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1.305 tcp-dump 4.9.2

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1.307 acpid 2.0.30

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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use both them and the Library together in an executable that you
distribute.

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1.320 sqlite 3.23.1

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1.322 libsodium 1.0.16

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1.323 rsync 3.1.3

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its purpose remains meaningful.

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

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If 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 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).
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1.328 asn1crypto 0.24.0-1.ph3

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1.329 iptables 1.6.2

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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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1.335 procps 3.3.15

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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.cnr.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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</table>

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Mersenne Twister

Coded by Takuji Nishimura and Makoto Matsumoto.

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

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Sockets
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

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

Asynchronous socket services
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
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zlib
----

The :mod:`zlib` extension is built using an included copy of the zlib
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

History and License

History of the software

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

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

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

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

The :mod:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

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

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

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)
Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
http://www.ietf.org/rfc/rfc1321.txt
The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

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

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

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Cookie management
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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

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The original code is FirewallControl.pas, released April 16, 2007.

The initial developer of the original code is Rainer Budde (http://www.speed-soft.de).

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1.346 beecrypt 4.2.1

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functions (ten lines or less in length), then the use of the object
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work. (Executables containing this object code plus portions of the
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with the Library, with the complete machine-readable "work that
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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END OF TERMS AND CONDITIONS

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

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1.361 click 6.7

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1.362 file 5.34

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### *makefile* *

**## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)**
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srccdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srccdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

## Dependency rules
%.d: $(srccdir)/%.c
@echo "generating dependency information for $<"
@$SHELL) -ec "$GEN_DEPS.c" $<
| sed \"s/\(^\*\)/\n| sed \"s/\(^\*\)/\n| sed \"s/\(^\*\)/\n| sed \"s/\(^\*\)/\n
---

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[ -s $@ ] || rm -f $@

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

## Versioned libraries rules

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

## End FreeBSD-specific setup

1.363 ncurses 6.1+20180630

1.363.1 Available under license:

Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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

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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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1.364 dc 1.4

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1.365 neon 0.30.2

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possible use to the public, the best way to achieve this is to make it
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   under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
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necessary. Here is a sample; alter the names:

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    `Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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Version 2, June 1991

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

Preamble

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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
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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
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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
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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
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will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and
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"work based on the library" and a "work that uses the library". The
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works together with the library.

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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Active SWIG Developers:
William Fulton (wsf@fultondesigns.co.uk) (SWIG core, Java, C#, Windows, Cygwin)
Olly Betts (olly@survex.com) (PHP)
Joseph Wang (joequant@gmail.com) (R)
Xavier Delacour (xavier.delacour@gmail.com) (Octave)
David Nadlinger (code@klickverbot.at) (D)
Oliver Buchtala (oliver.buchtala@gmail.com) (Javascript)
Neha Narang (narangethha03@gmail.com) (Javascript)
Simon Marchetto (simon.marchetto@scilab-enterprises.com) (Scilab)

Past SWIG developers and major contributors include:
Dave Beazley (dave-swig@dabeaz.com) (SWIG core, Python, Tcl, Perl)
Henning Thielemann (swig@henning-thielemann.de) (Modula3)
Matthias Kppe (mkoeppe@mail.math.uni-magdeburg.de) (Guile, MzScheme)
Luigi Ballabio (luigi.ballabio@fastwebnet.it) (STL wrapping)
Mikel Bancroft (mikel@franz.com) (Allegro CL)
Surendra Singhi (efuzzysone@netscape.net) (CLISP, CFFI)
Marcelo Matus (mmatus@acms.arizona.edu) (SWIG core, Python, UTL[python,perl,tcl,ruby])
Art Yerkes (ayerkes@speakeasy.net) (Ocaml)
Lyle Johnson (lyle@users.sourceforge.net) (Ruby)
Charlie Savage (cfis@interserv.com) (Ruby)
Thien-Thi Nguyen (ttn@glug.org) (build/test/misc)
Richard Palmer (richard@magicality.org) (PHP)
Sam Liddicott - Ananova Ltd (sam@liddicott.com) (PHP)
Tim Hockin - Sun Microsystems (thockin@sun.com) (PHP)
Kevin Ruland (PHP)
Shibukawa Yoshiki (Japanese Translation)
Jason Stewart (jason@openinformatics.com) (Perl5)
Loic Dachary (Perl5)
David Fletcher (Perl5)
Gary Holt (Perl5)
Masaki Fukushima (Ruby)
Scott Michel (scottm@cs.ucla.edu) (Java directors)
Tiger Feng (songyanf@cs.uchicago.edu) (SWIG core)
Mark Rose (mrose@stm.lbl.gov) (Directors)
Jonah Beckford (beckford@userrmail.com) (CHICKEN)
Ahmon Dancy (dancy@franz.com) (Allegro CL)
Dirk Gerrits (Allegro CL)
Neil Cawse (C#)
Harco de Hilster (Java)
Alexey Dyachenko (dyachenko@fromru.com) (Tcl)
Bob Techtentin (Tcl)
Martin Froehlich <MartinFroehlich@ACM.org> (Guile)
Marcio Luis Teixeira <marciot@holly.colostate.edu> (Guile)
Duncan Temple Lang (R)
Miklos Vajna <vmiklos@frugalware.org> (PHP directors)
Mark Gossage (mark@gossage.cjb.net) (Lua)
Raman Gopalan (ramangopalan@gmail.com) (eLua)
Gonzalo Garramuno (ggarra@advancedsl.com.ar) (Ruby, Ruby's UTL)
John Lenz (Guile, MzScheme updates, Chicken module, runtime system)
Baozeng Ding <sploving1@163.com> (Scilab)
Ian Lance Taylor (Go)
Vadim Zeitlin (PCRE, Python)
Stefan Zager (szager@gmail.com) (Python)
Vincent Couvert (Scilab)
Sylvestre Ledru (Scilab)
Wolfgang Frisch (Scilab)

Past contributors include:
(See CHANGES and CHANGES.current and the bug tracker for a more complete list).

Past students:
Songyan Feng (Chicago).
Xinghua Shi (Chicago).
Jing Cao (Chicago).
Aquinas Hobor (Chicago).

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That's all there is to it!
/* Native-dependent code for modern AMD64 BSD's.

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along with this program. If not, see <http://www.gnu.org/licenses/>. */

#ifndef AMD64_BSD_NAT_H
#define AMD64_BSD_NAT_H

#include "x86-bsd-nat.h"

/* Helper functions. See definitions. */
extern void amd64bsd_fetch_inferior_registers (struct regcache *regcache, 
   int regnum);
extern void amd64bsd_store_inferior_registers (struct regcache *regcache, 
   int regnum);

/* A prototype *BSD/AMD64 target. */

template<typename BaseTarget>
class amd64_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
   public:
      void fetch_registers (struct regcache *regcache, int regnum) override
      { amd64bsd_fetch_inferior_registers (regcache, regnum); }

      void store_registers (struct regcache *regcache, int regnum) override
      { amd64bsd_store_inferior_registers (regcache, regnum); }
   
};
#endif /* i386-bsd-nat.h */
BEGIN{
   FS="";
   print "/*= => Do not modify this file!! " \
   "*- buffer-read-only: t -*- vi" \
   ":set ro:";
   print " It is created automatically by copying.awk.";
   print " Modify copying.awk instead. <==" */;
   print ""
   print "#include \"defs.h\"
   print "#include \"command.h\"
   print "#include \"gdbcmd.h\"
   print ""
   print "static void show_copying_command (const char *, int);"
   print ""
   print "static void show_warranty_command (const char *, int);"
   print ""
   print "static void"
   print "show_copying_command (const char *ignore, int from_tty)";
   print "[
   } 
   NR == 1,/*[ ]*15. Disclaimer of Warranty[ ]*$/
   if ($0 ~ //)
   {
      printf " printf_filtered (\"\n\n\n\n"
   }
   else if ($0 !~ /*[ ]*15. Disclaimer of Warranty[ ]*$/
   {
      printf " printf_filtered (\"
      for (i = 1; i < NF; i++)
printf "\n", $NF;
}

END

print " */\n
print " void";
print " _initialize_copying (void)\n
print " ){\n
print "  add_cmd ("copying", no_set_class, show_copying_command,\n";
print "   _("Conditions for redistributing copies of GDB\")\n";
print "   &showlist);\n";
print "  add_cmd ("warranty", no_set_class, show_warranty_command,\n";
print "   _("Various kinds of warranty you do not have\")\n";
print "   &showlist);\n";
print " \n
print " */ For old-timers, allow \"info copying\", etc. */\n
print " add_info ("copying\", show_copying_command,\n";
print "   _("Conditions for redistributing copies of GDB\")\n";
print " add_info ("warranty\", show_warranty_command,\n";
print "   _("Various kinds of warranty you do not have\")\n";
print "} \n
/* BSD Kernel Data Access Library (libkvm) interface.

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along with this program. If not, see <http://www.gnu.org/licenses/>. */

#define _KMEMUSER
#include "defs.h"
#include "cli/cli-cmds.h"
#include "command.h"
#include "frame.h"
#include "regcache.h"
#include "target.h"
#include "value.h"
#include "gdbcore.h" /* for get_exec_file */
#include "gdbthread.h"

#include <fcntl.h>
#include <kvm.h>
#ifdef HAVE_NLIST_H
#include <nlist.h>
#endif
#include <paths.h>
#include "readline/readline.h"
#include <sys/param.h>
#include <sys/proc.h>
#ifdef HAVE_SYS_USER_H
#include <sys/user.h>
#endif

#include "bsd-kvm.h"

/* Kernel memory device file. */
static const char *bsd_kvm_corefile;

/* Kernel memory interface descriptor. */
static kvm_t *core_kd;

/* Address of process control block. */
static struct pcb *bsd_kvm_paddr;

/* Pointer to architecture-specific function that reconstructs the
register state from PCB and supplies it to REGCACHE. */
static int (*bsd_kvm_supply_pcb)(struct regcache *regcache, struct pcb *pcb);

/* This is the ptid we use while we're connected to kvm. The kvm
target currently doesn't export any view of the running processes,
so this represents the kernel task. */
static ptid_t bsd_kvm_ptid;

/* The libkvm target. */

static const target_info bsd_kvm_target_info = {
"kvm",
N_("Kernel memory interface"),
N_("Use a kernel virtual memory image as a target.\nOptionally specify the filename of a core dump.")
};

class bsd_kvm_target final : public target_ops
{
public:
  bsd_kvm_target ()
  { this->to_stratum = process_stratum; }

cnst target_info &info () const override
  { return bsd_kvm_target_info; }

  void close () override;

void fetch_registers (struct regcache *, int) override;
enum target_xfer_status xfer_partial (enum target_object object,
const char *annex,
gdb_byte *readbuf,
const gdb_byte *writebuf,
ULONGEST offset, ULONGEST len,
ULONGEST *xfered_len) override;

void files_info () override;
bool thread_alive (ptid_t ptid) override;
const char *pid_to_str (ptid_t) override;

bool has_memory () override { return true; }
bool has_stack () override { return true; }
bool has_registers () override { return true; }
};

/* Target ops for libkvm interface. */
static bsd_kvm_target bsd_kvm_ops;

static void
bsd_kvm_target_open (const char *arg, int from_tty)
{
    char errbuf[POSIX2_LINE_MAX];
    char *execfile = NULL;
    kvm_t *temp_kd;
    char *filename = NULL;

    target_preopen (from_tty);

    if (arg)
    {
        char *temp;

        filename = tilde_expand (arg);
        if (filename[0] != '/')
        {
            temp = concat (current_directory, "/", filename, (char *)NULL);
            xfree (filename);
            filename = temp;
        }
    }

    execfile = get_exec_file (0);
    temp_kd = kvm_openfiles (execfile, filename, NULL,
        write_files ? O_RDWR : O_RDONLY, errbuf);
    if (temp_kd == NULL)
        error ("%s", errbuf);

    bsd_kvm_corefile = filename;
    unpush_target (&bsd_kvm_ops);
    core_kd = temp_kd;
    push_target (&bsd_kvm_ops);

    add_thread_silent (bsd_kvm_ptid);
    inferior_ptid = bsd_kvm_ptid;

    target_fetch_registers (get_current_regcache (), -1);

    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

void
bsd_kvm_target::close ()
{
    if (core_kd)
    {
        if (kvm_close (core_kd) == -1)
            return;
warning ("%s", kvm_geterr(core_kd));
    core_kd = NULL;
}

inferior_ptid = null_ptid;
discard_all_inferiors();
}

static LONGEST
bsd_kvm_xfer_memory (CORE_ADDR addr, ULONGEST len,
    gdb_byte *readbuf, const gdb_byte *writebuf)
{
    ssize_t nbytes = len;

    if (readbuf)
        nbytes = kvm_read (core_kd, addr, readbuf, nbytes);
    if (writebuf && nbytes > 0)
        nbytes = kvm_write (core_kd, addr, writebuf, nbytes);
    return nbytes;
}

enum target_xfer_status
bsd_kvm_target::xfer_partial (enum target_object object,
    const char *annex, gdb_byte *readbuf,
    const gdb_byte *writebuf,
    ULONGEST offset, ULONGEST len, ULONGEST *xfered_len)
{
    switch (object)
    {
    case TARGET_OBJECT_MEMORY:
        {
            LONGEST ret = bsd_kvm_xfer_memory (offset, len, readbuf, writebuf);

            if (ret < 0)
                return TARGET_XFER_E_IO;
            else if (ret == 0)
                return TARGET_XFER_EOF;
            else
            {
                *xfered_len = (ULONGEST) ret;
                return TARGET_XFER_OK;
            }
        }
    default:
        return TARGET_XFER_E_IO;
    }
}
void
bsd_kvm_target::files_info ()
{
    if (bsd_kvm_corefile && strcmp (bsd_kvm_corefile, _PATH_MEM) != 0)
        printf_filtered (_("Using the kernel crash dump %s.\n"),
                         bsd_kvm_corefile);
    else
        printf_filtered (_("Using the currently running kernel.\n"));
}

/* Fetch process control block at address PADDR. */

static int
bsd_kvm_fetch_pcb (struct regcache *regcache, struct pcb *paddr)
{
    struct pcb pcb;

    if (kvm_read (core_kd, (unsigned long) paddr, &pcb, sizeof pcb) == -1)
        error (("%s"), kvm_geterr (core_kd));

    gdb_assert (bsd_kvm_supply_pcb);
    return bsd_kvm_supply_pcb (regcache, &pcb);
}

void
bsd_kvm_target::fetch_registers (struct regcache *regcache, int regnum)
{
    struct nlist nl[2];

    if (bsd_kvm_paddr)
    {
        bsd_kvm_fetch_pcb (regcache, bsd_kvm_paddr);
        return;
    }

    /* On dumping core, BSD kernels store the faulting context (PCB)
     * in the variable "dumppcb". */
    memset (nl, 0, sizeof nl);
    nl[0].n_name = "_dumppcb";

    if (kvm_nlist (core_kd, nl) == -1)
        error (("%s"), kvm_geterr (core_kd));

    if (nl[0].n_value != 0)
    {
        /* Found dumppcb. If it contains a valid context, return
         * immediately. */
        */
if (bsd_kvm_fetch_pcb (regcache, (struct pcb *) nl[0].n_value))
    return;
}

/* Traditional BSD kernels have a process proc0 that should always
   be present. The address of proc0's PCB is stored in the variable
   "proc0paddr". */
memset (nl, 0, sizeof nl);
nl[0].n_name = "_proc0paddr";

if (kvm_nlist (core_kd, nl) == -1)
    error (("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
{
    struct pcb *paddr;

    /* Found proc0paddr. */
    if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
        error (("%s"), kvm_geterr (core_kd));

    bsd_kvm_fetch_pcb (regcache, paddr);
    return;
}

#ifndef HAVE_STRUCT_THREAD_TD_PCB
/* In FreeBSD kernels for 5.0-RELEASE and later, the PCB no longer
   lives in `struct proc' but in `struct thread'. The `struct
   thread' for the initial thread for proc0 can be found in the
   variable "thread0". */
memset (nl, 0, sizeof nl);
nl[0].n_name = "_thread0";

if (kvm_nlist (core_kd, nl) == -1)
    error (("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
{
    struct pcb *paddr;

    /* Found thread0. */
    nl[0].n_value += offsetof (struct thread, td_pcb);
    if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
        error (("%s"), kvm_geterr (core_kd));

    bsd_kvm_fetch_pcb (regcache, paddr);
}
return;
}
#endif

/* i18n: PCB == "Process Control Block". */
error (_("Cannot find a valid PCB"));

/* Kernel memory interface commands. */
struct cmd_list_element *bsd_kvm_cmdlist;

static void
bsd_kvm_cmd (const char *arg, int fromtty)
{
    /* ??? Should this become an alias for "target kvm"? */
}

#ifndef HAVE_STRUCT_THREAD_TD_PCB

static void
bsd_kvm_proc_cmd (const char *arg, int fromtty)
{
    CORE_ADDR addr;

    if (arg == NULL)
        error_no_arg (_("proc address"));

    if (core_kd == NULL)
        error (_("No kernel memory image.");

    addr = parse_and_eval_address (arg);
    #ifdef HAVE_STRUCT_LWP
    addr += offsetof (struct lwp, l_addr);
    #else
    addr += offsetof (struct proc, p_addr);
    #endif

    if (kvm_read (core_kd, addr, &bsd_kvm_paddr, sizeof bsd_kvm_paddr) == -1)
        error ("%s", kvm_geterr (core_kd));

    target_fetch_registers (get_current_regcache (), -1);
    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}
#endif
static void
bsd_kvm_pcb_cmd (const char *arg, int fromtty)
{
    if (arg == NULL)
        /* i18n: PCB == "Process Control Block". */
        error_no_arg (_("pcb address"));

    if (core_kd == NULL)
        error (_("No kernel memory image."));

    bsd_kvm_paddr = (struct pcb *)((u_long) parse_and_eval_address (arg));

    target_fetch_registers (get_current_regcache (), -1);

    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

bool
bsd_kvm_target::thread_alive (ptid_t ptid)
{
    return true;
}

const char *
bsd_kvm_target::pid_to_str (ptid_t ptid)
{
    static char buf[64];
    xsnprintf (buf, sizeof buf, "<kvm>");
    return buf;
}

/* Add the libkvm interface to the list of all possible targets and
   register CUPPLY_PCB as the architecture-specific process control
   block interpreter. */

void
bsd_kvm_add_target (int (*supply_pcb)(struct regcache *, struct pcb *))
{
    gdb_assert (bsd_kvm_supply_pcb == NULL);
    bsd_kvm_supply_pcb = supply_pcb;

    add_target (bsd_kvm_target_info, bsd_kvm_target_open);

    add_prefix_cmd ("kvm", class_obscure, bsd_kvm_cmd, _("\nGeneric command for manipulating the kernel memory interface."),
&bsd_kvm_cmdlist, "kvm", 0, &cmdlist);
#ifndef HAVE_STRUCT_THREAD_TD_PCB
    add_cmd ("proc", class_obscure, bsd_kvm_proc_cmd,
            _("Set current context from proc address"), &bsd_kvm_cmdlist);
#endif

    add_cmd ("pcb", class_obscure, bsd_kvm_pcb_cmd,
              /* i18n: PCB == "Process Control Block". */
              _("Set current context from pcb address"), &bsd_kvm_cmdlist);

/* Some notes on the ptid usage on this target. */

    The pid field represents the kvm inferior instance. Currently,
    we don't support multiple kvm inferiors, but we start at 1
    anyway. The lwp field is set to != 0, in case the core wants to
    refer to the whole kvm inferior with ptid(1,0,0).

    If kvm is made to export running processes as gdb threads,
    the following form can be used:
    ptid (1, 1, 0) -> kvm inferior 1, in kernel
    ptid (1, 1, 1) -> kvm inferior 1, process 1
    ptid (1, 1, 2) -> kvm inferior 1, process 2
    ptid (1, 1, n) -> kvm inferior 1, process n */

    bsd_kvm_ptid = ptid_t (1, 1, 0);
}
/* Native-dependent code for x86 BSD's. */

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#ifndef X86_BSD_NAT_H
#define X86_BSD_NAT_H

#include "x86-nat.h"

#endif X86_BSD_NAT_H
/* Low level x86 XSAVE info. */
extern size_t x86bsd_xsave_len;

/* A prototype *BSD/x86 target. */

template<typename BaseTarget>
class x86bsd_nat_target : public x86_nat_target<BaseTarget>
{
using base_class = x86_nat_target<BaseTarget>;
public:
#ifdef HAVE_PT_GETDBREGS
    void mourn_inferior () override
    {
        x86_cleanup_dregs ();
        base_class::mourn_inferior ();
    }
#endif /* HAVE_PT_GETDBREGS */
};
#endif /* x86-bsd-nat.h */

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Public License instead of this License.  But first, please read
/* Native-dependent code for modern i386 BSD's.

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along with this program.  If not, see <http://www.gnu.org/licenses/>. */

#ifndef I386_BSD_NAT_H
#define I386_BSD_NAT_H

/* Helper functions. See definitions. */
extern void i386bsd_fetch_inferior_registers (struct regcache *regcache,
   int regnum);
extern void i386bsd_store_inferior_registers (struct regcache *regcache,
   int regnum);

/* A prototype *BSD/i386 target. */

template<typename BaseTarget>
class i386_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
public:
   void fetch_registers (struct regcache *regcache, int regnum) override
   { i386bsd_fetch_inferior_registers (regcache, regnum); }

   void store_registers (struct regcache *regcache, int regnum) override
   { i386bsd_store_inferior_registers (regcache, regnum); }
};

#endif /* i386-bsd-nat.h */

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
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they blur the distinction we usually make between modifying or adding to a
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changing the library, is in some sense simply using the library, and is
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Because of this blurred distinction, using the ordinary General
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concluded that weaker conditions might promote sharing better.

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

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

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

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

That's all there is to it!
#!/usr/bin/env python

# Copyright (C) 2011-2018 Free Software Foundation, Inc.
#
# This file is part of GDB.
#
# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
This script updates the list of years in the copyright notices in most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:

```
% filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```python
import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root of the GDB source tree (NOT the gdb/ subdirectory!). The names of the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%/s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in NOT_FSF_LIST
                    or reldirname in BY_HAND):
                    # Prune this directory from our search list.
                    dirs.remove(dirname)
for filename in files:
    relpath = "%s/%s" % (root, filename)
    if (filename in EXCLUDE_ALL_LIST
        or relpath in EXCLUDE_LIST
        or relpath in NOT_FSF_LIST
        or relpath in BY_HAND):
        # Ignore this file.
        pass
    else:
        result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.
    We use gnulib's update-copyright script for that.
    ""
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
        stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)

    for line in update_out:
        if line.endswith('n'):
            line = line[:-1]
        if line.endswith(warning_string):
            break

for line in update_out:
    if line.endswith('n'):
        line = line[:-1]
    if line.endswith(warning_string):
filename = line[:-warning_len]
if may_have_copyright_notice(filename):
    print line
else:
    # Unrecognized file format. !?!
    print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.

    The alorithm is fairly crude, meaning that it might return
some false positives. I do not think it will return any false
negatives... We might improve this function to handle more
complex cases later...
"""

    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)
    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
    if lineno > 50:
        return False
    return False

def main ():
    """The main subprogram.""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...
if MULTIPLE_COPYRIGHT_HEADERS:
    print
    print("\033[31m" "REMINDER: Multiple copyright headers must be updated by hand:" "\033[0m")
    for filename in MULTIPLE_COPYRIGHT_HEADERS:
        print " ", filename

if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand." \\ "\033[0m"
    for filename in BY_HAND:
        print " ", filename

#############################################################################
# Some constants, placed at the end because they take up a lot of room.     #
# The actual value of these constants is not significant to the understanding #
# of the script.                                                           #
# ############################################################################

# Files which should not be modified, either because they are              #
# generated, non-FSF, or otherwise special (e.g. license text,             #
# or test cases which must be sensitive to line numbering).                #
# # File names are relative to the root directory.                         #
EXCLUDE_LIST = (                                                           #
    'gdb/nat/glibc_thread_db.h',                                            #
    'gdb/CONTRIBUTE',                                                        #
    'gdb/gnulib/import'                                                      #
)

# Files which should not be modified, either because they are             #
# generated, non-FSF, or otherwise special (e.g. license text,             #
# or test cases which must be sensitive to line numbering).                #
# # Matches any file or directory name anywhere. Use with caution.         #
# # This is mostly for files that can be found in multiple directories.     #
# # Eg: We want all files named COPYING to be left untouched.               #
EXCLUDE_ALL_LIST = (                                                     #
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",           #
    "fdl.texi", "gpl.texi", "aclocal.m4",                                 #
)
# The list of files to update by hand.

BY_HAND = (
    # Nothing at the moment :-).
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb gdbtk",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcpro.o", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie gdb dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(
    "sim/ppc/filter.h", "sim/ppc/pen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/pen-support.c", "sim/ppc/pen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gencode decode.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hw shm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc simple", "sim/ppc/misc.h",
    "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
    "sim/ppc/emul bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
)
"sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",
"sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
"sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/ld-cache.c",
"sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
"sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
"sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
"sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
"sim/ppc/bits.c", "sim/ppc/idecode_fields.h", "sim/ppc/hw_memory.c",
"sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
"sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h",
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/ff.c", "sim/ppc/ff.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/ff.h", "sim/ppc/ld-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

if __name__ == "__main__":
    main()

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1.378 incremental 17.5.0-2.ph4

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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Any executables containing that work also fall under Section 6,
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changes were used in the work (which must be distributed under
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uses the Library", as object code and/or source code, so that the
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will operate properly with a modified version of the library, if
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1.383 go-systemd 4

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1.388 lttng-ust 2.10.1

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THANKS

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Special thanks to Michel Dagenais and the http://www.dorsal.polymtl.ca/[DORSAL laboratory] at cole Polytechnique de Montral for the LTTng journey.

LTTng UST (User-Space Tracer) Licensing

Mathieu Desnoyers
December 5, 2012

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

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

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

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

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

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

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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1]Takao Abe <takao_abes@xurb.jp> Clock driver for JJY receivers
2. [2]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3]Bernd Altmeyer <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT
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8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver,
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10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete
    broadcast and crypto features in snntp
11. [12]Jean-Francois Boudreault
    <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@nl.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help
    with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference
    clock driver, NT adj. residuals, integrated Greg’s Winnt port.
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for
    NTP Version 2 as specified in RFC-1119
19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows
    port interpolation rewrite
21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26]Jeff Johnson <bjh@chatham.usdesign.com> massive prototyping
    overhaul
26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or
    or <H.Lambermont@chello.nl> ntpswEEP
27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original
    author)
    (driver 14 reference clocks), STREAMS modules for PARSE, support
    scripts, syslog cleanup, dynamic interface handling
29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote snntp to
    comply with NTPv4 specification, ntpq saveconfig
30. [33]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX
    modifications, HPUX modifications
31. [34]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox
    GPS clock driver
33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation
    code for Version 3 as specified in RFC-1305
    Maintenance
37. [40]David L. Mills <mills@udel.edu> Version 4 foundation, precision
kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41]Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
39. [42]Jeffrey Mogul <smogul@pa.dec.com> ntptrace utility
40. [43]Tom Moore <tmoore@fievel.daytonoh.ncri.com> i386 svr4 port
41. [44]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50]Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfc.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
54. [58]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
55. [59]Tomomi TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
3. mailto:%20altmeier@atsoft.de
4. mailto:%20vbais@mailman1.intel.co
5. mailto:%20kirkwood@striderfm.intel.com
6. mailto:%20michael.barone@lmco.com
7. mailto:%20karl@owl.HQ.ileaf.com
8. mailto:%20greg.brackley@bigfoot.com
9. mailto:%20Marc.Brett@westgeo.com
10. mailto:%20Piete.Brooks@cl.cam.ac.uk
11. mailto:%20nelson@bolyard.me
12. mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca
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1.393 luajit 2.0.5

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# PLY (Python Lex-Yacc) Version 3.11


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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for
C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package.

To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```python
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```python
import lex
import yacc
```

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
============

PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
=========  

More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:
An old and relatively inactive discussion group for PLY is found at:

http://groups.google.com/group/ply-hack

Acknowledgments
==================
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-). 

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
========================
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example
=======
Here is a simple example showing a PLY implementation of a calculator with variables.

# calc.py
# A simple calculator with variables.

tokens = (  
    'NAME','NUMBER',  
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',  
    'LPAREN','RPAREN',  
)

t_PLUS = r'\+'  
t_MINUS = r'\-'  

t_TIMES = r'\*'  
t_DIVIDE = r'/'  
t_EQUALS = r'='  
t_LPAREN = r'('  
t_RPAREN = r')'  
t_NAME = r'\[a-zA-Z_][a-zA-Z0-9_]\]*'  

def t_NUMBER(t):  
    r'd+'  
    t.value = int(t.value)  
    return t  

# Ignored characters  
t_ignore = ''  

def t_newline(t):  
    r'\n+'  
    t.lexer.lineno += t.value.count('
')  

def t_error(t):  
    print("Illegal character '%s'" % t.value[0])  
    t.lexer.skip(1)  

# Build the lexer  
import ply.lex as lex  
lex.lex()  

# Precedence rules for the arithmetic operators  
precedence = (  
    ('left','PLUS','MINUS'),  
    ('left','TIMES','DIVIDE'),  
    ('right','UMINUS'),  
)  

# dictionary of names (for storing variables)  
names = { }  

def p_statement_assign(p):  
    '"statement : NAME EQUALS expression"'  
    names[p[1]] = p[3]  

def p_statement_expr(p):  
    '"statement : expression"'  
    print(p[1])  

def p_expression_binop(p):  
    '"expression : expression PLUS expression"  
    | "expression : expression MINUS expression"

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'") % p[1]
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'") % p.value

import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
        except EOFError:
            break
        yacc.parse(s)

Bug Reports and Patches
=======================
My goal with PLY is to simply have a decent lex/yacc implementation
for Python. As a general rule, I don't spend huge amounts of time
working on it unless I receive very specific bug reports and/or
patches to fix problems. I also try to incorporate submitted feature
requests and enhancements into each new version. Please visit the PLY
github page at https://github.com/dabeaz/ply to submit issues and pull requests. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

-- Dave

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package formatter

import (  
    "time"  
    "github.com/docker/cli/internal/licenseutils"  
    "github.com/docker/licensing/model"
)
const {
    defaultSubscriptionsTableFormat = "table
    {{.Num}}	{{.Owner}}	{{.ProductID}}	{{.Expires}}	{{.ComponentsString}}"
    defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}"
}  

numHeader = "NUM"
ownerHeader = "OWNER"
licenseNameHeader = "NAME"
idHeader = "ID"
dockerIDHeader = "DOCKER ID"
productIDHeader = "PRODUCT ID"
productRatePlanHeader = "PRODUCT RATE PLAN"
productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
startHeader = "START"
expiresHeader = "EXPIRES"
stateHeader = "STATE"
eusaHeader = "EUSA"
pricingComponentsHeader = "PRICING COMPONENTS"
}

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) Format {
    switch source {
    case TableFormatKey:
        if quiet {
            return defaultSubscriptionsQuietFormat
        }
        return defaultSubscriptionsTableFormat
    case RawFormatKey:
        if quiet {
            return `license: {{.ID}}`
        }
        return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}`
    }
    return Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx Context, subs []licenseutils.LicenseDisplay) error {
    render := func(format func(subContext subContext) error) error {
        for _, sub := range subs {
            licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
            if err := format(licenseCtx); err != nil {
                return err
            }
        }
        return nil
    }
    return nil
}
licenseCtx := licenseContext{
  HeaderContext
  trunc: bool
  l: licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
  return marshalJSON(c)
}

func (c *licenseContext) Num() int {
  return c.l.Num
}

func (c *licenseContext) Owner() string {
  return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
  return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
  return c.l.String()
}

func (c *licenseContext) Name() string {
  return c.l.Name
}
```go
func (c *licenseContext) ID() string {
    return c.l.ID
}

func (c *licenseContext) DockerID() string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
    return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
    return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
    return c.l.Expires
}

func (c *licenseContext) State() string {
    return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
    return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
    // Dereference the pricing component pointers in the pricing components
    // so it can be rendered properly with the template formatter

    var ret []model.SubscriptionPricingComponent
    for _, spc := range c.l.PricingComponents {
        if spc == nil {
            continue
        }
        ret = append(ret, *spc)
    }
    return ret
}
```
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Gocheck - A rich testing framework for Go

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package licensing

import (
    "context"
    "crypto/hmac"
    "crypto/sha256"
    "encoding/base64"
    "encoding/json"
    "fmt"
    "time"

    "github.com/docker/libtrust"
    "github.com/docker/licensing/lib/errors"
    "github.com/docker/licensing/lib/go-clientlib"
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
    url := c.baseURI
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

    license := new(model.IssuedLicense)
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
        return nil, err
    }
    return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }
}
key := keys[0]

if !c.recognizedSigningKey(key) {
    return nil, errors.New("unrecognized signing key")
}

payload, err := signature.Payload()
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.New("failed to decode license authorization")
    }
    return decoded, nil
}
"key_id": license.KeyID,
}, "decoding license authorization failed")
}
return decoded, nil

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
tokenBytes, err := base64.URLEncoding.DecodeString(token)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": token})
}

generatedToken, err := generateToken(message, privateKey)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": token})
}

generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": token})
}

if !hmac.Equal(tokenBytes, generatedBytes) {
    return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
}

return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{"msg": message})
    }

    h := hmac.New(sha256.New, key)
    h.Write([]byte(message))
    return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}
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package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.
type CheckResponse struct {
    Expiration  time.Time `json:"expiration"
    Token       string    `json:"token"
    MaxEngines  int       `json:"maxEngines"
    ScanningEnabled bool    `json:"scanningEnabled"
    Type        string    `json:"licenseType"
    Tier        string    `json:"tier"
}

// IssuedLicense represents an issued license
type IssuedLicense struct {
    KeyID         string `json:"key_id"
    PrivateKey    string `json:"private_key"
    Authorization string `json:"authorization"
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }

    if l.PrivateKey == "" {
        return false, "empty private_key"
    }

    if l.Authorization == "" {
        return false, "empty authorization"
    }

    return true, ""
}

package formatter

import {
    "bytes"
    "encoding/json"
    "strings"
    "testing"
    "time"

    "github.com/docker/cli/internal/licenseutils"
func TestSubscriptionContextWrite(t *testing.T) {
    cases := []struct {
        context  Context
        expected string
    }{
        // Errors
        // Template parsing error: template: :1: function "InvalidFunction" not defined
        Context{Format: "{{InvalidFunction}}"},
        // Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command
        Context{Format: "{{nil}}"},
        // Table format
        Context{Format: NewSubscriptionsFormat("table", false)},
        Context{Format: NewSubscriptionsFormat("table", true)},
        Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
        Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
    }

    t.Run("Errors", func(t *testing.T) {
        for _, c := range cases {
            t.Run(fmt.Sprintf("%s", c.context), func(t *testing.T) {
                gotest.tools.Assert(t, c.expected, c.context.Format, c.context.Data)
            })
        }
    })
}
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
subscriptions := []licenseutils.LicenseDisplay{
    {
Num: 1,
Owner: "owner1",
Subscription: model.Subscription{
ID: "id1",
Name: "name1",
ProductID: "productid1",
Expires: &expiration,
PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
Name: "nodes",
Value: 10,
    },
},
},
}
Num:  2,
Owner: "owner2",
Subscription: model.Subscription{
ID:    "id2",
Name:  "name2",
ProductID: "productid2",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name:  "nodes",
Value:  20,
},
},
ComponentsString: "compstring",
}
out := &bytes.Buffer{
}
testcase.context.Output = out
er := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
    assert.Error(t, err, testcase.expected)
} else {
    assert.Check(t, is.Equal(testcase.expected, out.String()))
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
subscriptions := []licenseutils.LicenseDisplay{
{    Num:  1,
    Owner: "owner1",
    Subscription: model.Subscription{
ID:    "id1",
Name:  "name1",
ProductID: "productid1",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name:  "nodes",
Value:  10,
ComponentsString: "compstring",
},
{
Num: 2,
Owner: "owner2",
Subscription: model.Subscription{
 ID: "id2",
 Name: "name2",
 ProductID: "productid2",
 Expires: &expiration,
 PricingComponents: model.PricingComponents{
 &model.SubscriptionPricingComponent{
 Name: "nodes",
 Value: 20,
 },
 },
},
ComponentsString: "compstring",
},
}
expectedJSONs := []map[string]interface{}{
{
 "Owner": "owner1",
 "ComponentsString": "compstring",
 "Expires": "2020-01-01T10:00:00Z",
 "DockerID": "",
 "Eusa": nil,
 "ID": "id1",
 "Start": nil,
 "Name": "name1",
 "Num": float64(1),
 "PricingComponents": []interface{}{
 map[string]interface{}{
 "name": "nodes",
 "value": float64(10),
 },
 },
 "ProductID": "productid1",
 "ProductRatePlan": "",
 "ProductRatePlanID": "",
 "State": "",
 "Summary": "License Name: name1\tQuantity: 10 nodes\tExpiration date: 2020-01-01",
},
{ "Owner": "owner2",
"ComponentsString": "compstring",
"Expires":
"2020-01-01T10:00:00Z",
"DockerID":
"",
"Eusa":
nil,
"ID":
"id2",
"Start":
nil,
"Name":
"name2",
"Num":
float64(2),
"PricingComponents": []interface{}{
map[string]interface{}{
"name": "nodes",
"value": float64(20),
},
},
"ProductID":
"productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State":
"",
"Summary":
"License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
},
}
out := &bytes.Buffer{}
err := SubscriptionsWrite(Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var m map[string]interface{}
if err := json.Unmarshal([]byte(line), &m); err != nil {
t.Fatal(err)
}
assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}
}
func TestSubscriptionContextWriteJSONField(t *testing.T) {
subscriptions := []licenseutils.LicenseDisplay{
{Num: 1, Owner: "owner1"},
{Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer{}
err := SubscriptionsWrite(Context{Format: "{{json .Owner}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var s string

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if err := json.Unmarshal([]byte(line), &s); err != nil {
    t.Fatal(err)
}
assert.Check(t, is.Equal(subscriptions[i].Owner, s))

Looking for existing licenses for ...

<table>
<thead>
<tr>
<th>NUM</th>
<th>OWNER</th>
<th>PRODUCT ID</th>
<th>EXPIRES</th>
<th>PRICING COMPONENTS</th>
</tr>
</thead>
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<td>0</td>
<td></td>
<td></td>
<td>2010-01-01 00:00:00 +0000 UTC</td>
<td></td>
</tr>
</tbody>
</table>

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Daniel Micay
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1.406 libyaml 0.2.1

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1.410 maven-settings-builder 3.0.5

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package formatter

import (    "time"    "github.com/docker/cli/internal/licenseutils"    "github.com/docker/licensing/model"
)

const (    defaultSubscriptionsTableFormat = "table {{.Num}}	{{.Owner}}	{{.ProductID}}	{{.Expires}}	{{.ComponentsString}}"
// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) Format {
    switch source {
    case TableFormatKey:
        if quiet {
            return defaultSubscriptionsQuietFormat
        }
        return defaultSubscriptionsTableFormat
    case RawFormatKey:
        if quiet {
            return `license: {{.ID}}`
        }
        return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}
`}
    return Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx Context, subs []licenseutils.LicenseDisplay) error {
    render := func(format func(subContext subContext) error) error {
        for _, sub := range subs {
            licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
            if err := format(licenseCtx); err != nil {
                return err
            }
        }
        return nil
    }
    licenseCtx := licenseContext{
    "Num": numHeader,
    "OWNER": ownerHeader,
    "NAME": licenseNameHeader,
    "ID": idHeader,
    "DOCKER ID": dockerIDHeader,
    "PRODUCT ID": productIDHeader,
    "PRODUCT RATE PLAN": productRatePlanHeader,
    "PRODUCT RATE PLAN ID": productRatePlanIDHeader,
    "START": startHeader,
    "EXPIRES": expiresHeader,
    "STATE": stateHeader,
    "EUSA": eusaHeader,
    "PRICING COMPONENTS": pricingComponentsHeader,
    }

    // NewSubscriptionsFormat returns a Format for rendering using a license Context
    func NewSubscriptionsFormat(source string, quiet bool) Format {
        switch source {
        case TableFormatKey:
            if quiet {
                return defaultSubscriptionsQuietFormat
            }
            return defaultSubscriptionsTableFormat
        case RawFormatKey:
            if quiet {
                return `license: {{.ID}}`
            }
            return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}
`}
        return Format(source)
    }

    // SubscriptionsWrite writes the context
    func SubscriptionsWrite(ctx Context, subs []licenseutils.LicenseDisplay) error {
        render := func(format func(subContext subContext) error) error {
            for _, sub := range subs {
                licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
                if err := format(licenseCtx); err != nil {
                    return err
                }
            }
            return nil
        }
        licenseCtx := licenseContext{
        "Num": numHeader,
        "OWNER": ownerHeader,
        "NAME": licenseNameHeader,
        "ID": idHeader,
        "DOCKER ID": dockerIDHeader,
        "PRODUCT ID": productIDHeader,
        "PRODUCT RATE PLAN": productRatePlanHeader,
        "PRODUCT RATE PLAN ID": productRatePlanIDHeader,
        "START": startHeader,
        "EXPIRES": expiresHeader,
        "STATE": stateHeader,
        "EUSA": eusaHeader,
        "PRICING COMPONENTS": pricingComponentsHeader,
    }

    // NewSubscriptionsFormat returns a Format for rendering using a license Context
    func NewSubscriptionsFormat(source string, quiet bool) Format {
        switch source {
        case TableFormatKey:
            if quiet {
                return defaultSubscriptionsQuietFormat
            }
            return defaultSubscriptionsTableFormat
        case RawFormatKey:
            if quiet {
                return `license: {{.ID}}`
            }
            return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}
`}
        return Format(source)
    }

    // SubscriptionsWrite writes the context
    func SubscriptionsWrite(ctx Context, subs []licenseutils.LicenseDisplay) error {
        render := func(format func(subContext subContext) error) error {
            for _, sub := range subs {
                licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
                if err := format(licenseCtx); err != nil {
                    return err
                }
            }
            return nil
        }
        licenseCtx := licenseContext{
        "Num": numHeader,
        "OWNER": ownerHeader,
        "NAME": licenseNameHeader,
        "ID": idHeader,
"Owner": ownerHeader,
"Name": licenseNameHeader,
"ID": idHeader,
"DockerID": dockerIDHeader,
"ProductID": productIdHeader,
"ProductRatePlan": productRatePlanHeader,
"ProductRatePlanID": productRatePlanIDHeader,
"Start": startDate,
"Expires": expiresHeader,
"State": stateHeader,
"Eusa": eusaHeader,
"ComponentsString": pricingComponentsHeader,
}
return ctx.Write(&licenseCtx, render)
}

type licenseContext struct {
    HeaderContext
    trunc bool
    l     licenseutils.LoggerDisplay
}
func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return marshalJSON(c)
}
func (c *licenseContext) Num() int {
    return c.l.Num
}
func (c *licenseContext) Owner() string {
    return c.l.Owner
}
func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
}
func (c *licenseContext) Summary() string {
    return c.l.Summary()
}
func (c *licenseContext) Name() string {
    return c.l.Name
}
func (c *licenseContext) ID() string {
    return c.l.ID
func (c *licenseContext) DockerID() string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
    return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
    return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
    return c.l.Expires
}

func (c *licenseContext) State() string {
    return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
    return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
    var ret []model.SubscriptionPricingComponent
    for _, spc := range c.l.PricingComponents {
        if spc == nil {
            continue
        }
        ret = append(ret, *spc)
    }
    return ret
}
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Gocheck - A rich testing framework for Go

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```go
package licensing

import {
    "context"
    "crypto/hmac"
    "crypto/sha256"
    "encoding/base64"
    "encoding/json"
    "fmt"
    "time"

    "github.com/docker/libtrust"
    "github.com/docker/licensing/lib/errors"
    "github.com/docker/licensing/lib/go-clientlib"

```
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
    url := c.baseURI
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

    license := new(model.IssuedLicense)
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
        return nil, err
    }

    return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }
}
key := keys[0]

if !c.recognizedSigningKey(key) {
    return nil, errors.New("unrecognized signing key")
}

payload, err := signature.Payload()
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "base64 decode failed")
    }
    return decoded, nil
}
"key_id": license.KeyID,
}, "decoding license authorization failed")
}
return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
tokenBytes, err := base64.URLEncoding.DecodeString(token)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": token})
}

generatedToken, err := generateToken(message, privateKey)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": generatedToken})
}

generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
if err != nil {
    return errors.Wrap(err, errors.Fields{"token": generatedBytes})
}

if !hmac.Equal(tokenBytes, generatedBytes) {
    return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
}

return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
key, err := base64.URLEncoding.DecodeString(privateKey)
if err != nil {
    return "", errors.Wrap(err, errors.Fields{"msg": message})
}

h := hmac.New(sha256.New, key)
h.Write([]byte(message))
return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.
type CheckResponse struct {
    Expiration  time.Time `json:"expiration"`
    Token       string    `json:"token"`
    MaxEngines  int       `json:"maxEngines"`
    ScanningEnabled bool    `json:"scanningEnabled"`
    Type        string    `json:"licenseType"`
    Tier        string    `json:"tier"`
}

// IssuedLicense represents an issued license
type IssuedLicense struct {
    KeyID         string `json:"key_id"`
    PrivateKey    string `json:"private_key"`
    Authorization string `json:"authorization"`
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }
    if l.PrivateKey == "" {
        return false, "empty private_key"
    }
    if l.Authorization == "" {
        return false, "empty authorization"
    }
    return true, ""
}

package formatter

import {
    "bytes"
    "encoding/json"
    "strings"
    "testing"
    "time"
    "github.com/docker/cli/internal/licenseutils"

func TestSubscriptionContextWrite(t *testing.T) {

cases := []struct {
    context  Context
    expected string
} {

    // Errors
    {
        Context{Format: "{{InvalidFunction}}"},
        `Template parsing error: template: :1: function "InvalidFunction" not defined
        `. 
    },
    {
        Context{Format: "{{nil}}"},
        `Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command
        `. 
    },

    // Table format
    {
        Context{Format: NewSubscriptionsFormat("table", false)},
        `NUM   OWNER       PRODUCT ID           EXPIRES                         PRICING COMPONENTS
          1    owner1      productid1   2020-01-01 10:00:00 +0000 UTC compstring
          2    owner2      productid2   2020-01-01 10:00:00 +0000 UTC compstring
        `. 
    },
    {
        Context{Format: NewSubscriptionsFormat("table", true)},
        `OWNER
          owner1
          owner2
        `. 
    },

    {
        Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},
        `OWNER
          owner1
          owner2
        `. 
    },
    {
        Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
        `OWNER
          owner1
          owner2
        `. 
    }
}
}
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
  subscriptions := []licenseutils.LicenseDisplay{
    {
      Num:   1,
      Owner: "owner1",
      Subscription: model.Subscription{
        ID:        "id1",
        Name:      "name1",
        ProductID: "productid1",
        Expires:   expiration,
        PricingComponents: model.PricingComponents{
          &model.SubscriptionPricingComponent{
            Name:    "nodes",
            Value:   10,
          },
        }
      }
    },
  }
}
ComponentsString: "compstring",
num: 2,
Owner: "owner2",
Subscription: model.Subscription{
ID: "id2",
Name: "name2",
ProductID: "productid2",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name: "nodes",
Value: 20,
},
},
ComponentsString: "compstring",
out := &bytes.Buffer{}
testcase.context.Output = out
er := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
assert.Error(t, err, testcase.expected)
} else {
assert.Check(t, is.Equal(testcase.expected, out.String()))
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
subscriptions := []licenseutils.LicenseDisplay{
{
Num: 1,
Owner: "owner1",
Subscription: model.Subscription{
ID: "id1",
Name: "name1",
ProductID: "productid1",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name: "nodes",
Value: 10,
ComponentsString: "compstring",

{
  Num: 2,
  Owner: "owner2",
  Subscription: model.Subscription{
    ID:   "id2",
    Name: "name2",
    ProductID: "productid2",
    Expires: &expiration,
    PricingComponents: model.PricingComponents{
      &model.SubscriptionPricingComponent{
        Name: "nodes",
        Value: 20,
      },
    },
    ComponentsString: "compstring",
  },
}

expectedJSONs := []map[string]interface{}{
  {
    "Owner":            "owner1",
    "ComponentsString": "compstring",
    "Expires":          "2020-01-01T10:00:00Z",
    "DockerID":         "",
    "Eusa":             nil,
    "ID":               "id1",
    "Start":            nil,
    "Name":             "name1",
    "Num":              float64(1),
    "PricingComponents": []interface{}{
      map[string]interface{}{
        "name":  "nodes",
        "value": float64(10),
      },
    },
    "ProductID":         "productid1",
    "ProductRatePlan":   "",
    "ProductRatePlanID": "",
    "State":             "",
    "Summary":           "License Name: name1
      Quantity: 10 nodes
      Expiration date: 2020-01-01",
  },
  {
    "Owner":            "owner2",
  },
}
"ComponentsString": "compstring",
"Expires":
"2020-01-01T10:00:00Z",
"DockerID":
"",
"Eusa":
nil,
"ID":
"id2",
"Start":
nil,
"Name":
"name2",
"Num":
float64(2),
"PricingComponents": []interface{}{
map[string]interface{}{
"name": "nodes",
"value": float64(20),
},
},
"ProductID":
"productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State":
"",
"Summary":
"License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
},
}
out := &bytes.Buffer{}
err := SubscriptionsWrite(Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var m map[string]interface{}
if err := json.Unmarshal([]byte(line), &m); err != nil {
t.Fatal(err)
}
assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}
}
func TestSubscriptionContextWriteJSONField(t *testing.T) {
subscriptions := []licenseutils.LicenseDisplay{
{Num: 1, Owner: "owner1"},
{Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer{}
err := SubscriptionsWrite(Context{Format: "{{json .Owner}}", Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var s string

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if err := json.Unmarshal([]byte(line), &s); err != nil {
    t.Fatal(err)
}
assert.Check(t, is.Equal(subscriptions[i].Owner, s))
}

Looking for existing licenses for ...

<table>
<thead>
<tr>
<th>NUM</th>
<th>OWNER</th>
<th>PRODUCT ID</th>
<th>EXPIRES</th>
<th>PRICING COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td>2010-01-01 00:00:00 +0000 UTC</td>
<td></td>
</tr>
</tbody>
</table>

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base64.cpp and base64.h

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base64.cpp and base64.h

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1.417 dhcp 4.4.1

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da30822a8d796df35f98d787c5cfff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

  Author: Julio Merino <jmmv84@gmail.com>

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

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

<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

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

  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$isc.copyright.text"/>
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
      </xsl:for-each>
    </xsl:call-template>
  </xsl:variable>
</xsl:stylesheet>
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Written by: Philip Hazel
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.
Release    Derived   Year    Owner   GPL-compatible? (1)
from

0.9.0 thru 1.2  1991-1995  CWI  yes
1.3 thru 1.5.2  1.2   1995-1999  CNRI  yes
1.6          1.5.2   2000      CNRI  no
2.0          1.6     2000      BeOpen.com  no
1.6.1        1.6     2001      CNRI  yes (2)
2.1          2.0+1.6.1  2001      PSF  no
2.0.1        2.0+1.6.1  2001      PSF  yes
2.1.1        2.1+2.0.1  2001      PSF  yes
2.1.2        2.1.1    2002      PSF  yes
2.1.3        2.1.2    2002      PSF  yes
2.2 and above  2.1.1  2001-now  PSF  yes

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This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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@(#) SRCFile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.423 zlib 1.2.8
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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